

Potential Flow Forces and Moments from Selected Ship Flow Codes in a Set of Numerical Experiments

Appendix B — Time History Plots for Prescribed Heave Motion of Model 5514

Report Documentation Page

Form Approved
OMB No. 0704-0188

Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

1. REPORT DATE 01 MAY 2008	2. REPORT TYPE N/A	3. DATES COVERED -	
4. TITLE AND SUBTITLE Potential Flow Forces and Moments from Selected Ship Flow Codes in a Set of Numerical Experiments Appendix B Time History Plots for Prescribed Heave Motion of Model 5514		5a. CONTRACT NUMBER	
		5b. GRANT NUMBER	
		5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)		5d. PROJECT NUMBER	
		5e. TASK NUMBER	
		5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Naval Surface Warfare Center Carderock Division 9500 Macarthur Boulevard West Bethesda, MD 20817-5700		8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)		10. SPONSOR/MONITOR'S ACRONYM(S)	
		11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release, distribution unlimited			
13. SUPPLEMENTARY NOTES See also ADM002134. Potential Flow Forces and Moments from Selected Ship Flow Codes in a Set of Numerical Experiments, The original document contains color images.			
14. ABSTRACT			
15. SUBJECT TERMS			
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT UU
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified	
			18. NUMBER OF PAGES 674
			19a. NAME OF RESPONSIBLE PERSON

Contents

Figures	<i>Page</i> B-2
Tables	B-23
Introduction	B-74

Figures

	<i>Page</i>
B-1. Time history of z_e for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-75
B-2. Time history of z_e for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-77
B-3. Time history of z_e for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-79
B-4. Time history of z_e for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-81
B-5. Time history of z_e for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-83
B-6. Time history of z_e for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-85
B-7. Time history of z_e for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-87
B-8. Time history of z_e for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-89
B-9. Time history of z_e for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-91
B-10. Time history of z_e for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-93
B-11. Time history of z_e for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-95

TASK 1/HEAVE MOTION/MODEL 5514

B-12.	Time history of z_e for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-97
B-13.	Time history of z_e for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-99
B-14.	Time history of z_e for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-101
B-15.	Time history of z_e for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-103
B-16.	Time history of z_e for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-105
B-17.	Time history of z_e for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-107
B-18.	Time history of z_e for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-109
B-19.	Time history of z_e for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-111
B-20.	Time history of z_e for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-113
B-21.	Time history of z_e for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-115
B-22.	Time history of z_e for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-117
B-23.	Time history of z_e for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-119
B-24.	Time history of z_e for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-121
B-25.	Time history of z_e for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-123

TASK 1/HEAVE MOTION/MODEL 5514

B-26.	Time history of z_e for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-125
B-27.	Time history of z_e for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-127
B-28.	Time history of z_e for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-129
B-29.	Time history of z_e for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-131
B-30.	Time history of z_e for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-133
B-31.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-135
B-32.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-137
B-33.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-139
B-34.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-141
B-35.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-143
B-36.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-145
B-37.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-147
B-38.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-149
B-39.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-151

TASK 1/HEAVE MOTION/MODEL 5514

B-40.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-153
B-41.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-155
B-42.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-157
B-43.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-159
B-44.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-161
B-45.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-163
B-46.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-165
B-47.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-167
B-48.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-169
B-49.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-171
B-50.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-173
B-51.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-175
B-52.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-177
B-53.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-179

TASK 1/HEAVE MOTION/MODEL 5514

B-54.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-181
B-55.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-183
B-56.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-185
B-57.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-187
B-58.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-189
B-59.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-191
B-60.	Time history of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-193
B-61.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-195
B-62.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-197
B-63.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-199
B-64.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-201
B-65.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-203
B-66.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-205
B-67.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-207

TASK 1/HEAVE MOTION/MODEL 5514

B-68.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-209
B-69.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-211
B-70.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-213
B-71.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-215
B-72.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-217
B-73.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-219
B-74.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-221
B-75.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-223
B-76.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-225
B-77.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-227
B-78.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-229
B-79.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-231
B-80.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-233
B-81.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-235

TASK 1/HEAVE MOTION/MODEL 5514

B-82.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-237
B-83.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-239
B-84.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-241
B-85.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-243
B-86.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-245
B-87.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-247
B-88.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-249
B-89.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-251
B-90.	Time history of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-253
B-91.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-255
B-92.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-257
B-93.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-259
B-94.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-261
B-95.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-263

TASK 1/HEAVE MOTION/MODEL 5514

B-96.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-265
B-97.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-267
B-98.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-269
B-99.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-271
B-100.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-273
B-101.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-275
B-102.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-277
B-103.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-279
B-104.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-281
B-105.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-283
B-106.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-285
B-107.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-287
B-108.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-289
B-109.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-291

TASK 1/HEAVE MOTION/MODEL 5514

B-110.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-293
B-111.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-295
B-112.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-297
B-113.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-299
B-114.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-301
B-115.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-303
B-116.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-305
B-117.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-307
B-118.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-309
B-119.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-311
B-120.	Time history of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-313
B-121.	Time history of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-315
B-122.	Time history of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-317
B-123.	Time history of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-319

TASK 1/HEAVE MOTION/MODEL 5514

B-124.	Time history of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-321
B-125.	Time history of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-323
B-126.	Time history of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-325
B-127.	Time history of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-327
B-128.	Time history of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-329
B-129.	Time history of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-331
B-130.	Time history of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-333
B-131.	Time history of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-335
B-132.	Time history of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-337
B-133.	Time history of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-339
B-134.	Time history of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-341
B-135.	Time history of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-343
B-136.	Time history of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-345
B-137.	Time history of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-347

TASK 1/HEAVE MOTION/MODEL 5514

B-138.	Time history of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-349
B-139.	Time history of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-351
B-140.	Time history of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-353
B-141.	Time history of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-355
B-142.	Time history of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-357
B-143.	Time history of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-359
B-144.	Time history of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-361
B-145.	Time history of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-363
B-146.	Time history of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-365
B-147.	Time history of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-367
B-148.	Time history of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-369
B-149.	Time history of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-371
B-150.	Time history of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-373
B-151.	Time history of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-375

TASK 1/HEAVE MOTION/MODEL 5514

B-152.	Time history of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-377
B-153.	Time history of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-379
B-154.	Time history of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-381
B-155.	Time history of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-383
B-156.	Time history of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-385
B-157.	Time history of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-387
B-158.	Time history of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-389
B-159.	Time history of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-391
B-160.	Time history of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-393
B-161.	Time history of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-395
B-162.	Time history of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-397
B-163.	Time history of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-399
B-164.	Time history of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-401
B-165.	Time history of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-403

TASK 1/HEAVE MOTION/MODEL 5514

B-166.	Time history of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-405
B-167.	Time history of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-407
B-168.	Time history of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-409
B-169.	Time history of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-411
B-170.	Time history of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-413
B-171.	Time history of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-415
B-172.	Time history of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-417
B-173.	Time history of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-419
B-174.	Time history of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-421
B-175.	Time history of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-423
B-176.	Time history of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-425
B-177.	Time history of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-427
B-178.	Time history of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-429
B-179.	Time history of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-431

TASK 1/HEAVE MOTION/MODEL 5514

B-180.	Time history of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-433
B-181.	Time history of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-435
B-182.	Time history of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-437
B-183.	Time history of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-439
B-184.	Time history of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-441
B-185.	Time history of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-443
B-186.	Time history of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-445
B-187.	Time history of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-447
B-188.	Time history of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-449
B-189.	Time history of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-451
B-190.	Time history of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-453
B-191.	Time history of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-455
B-192.	Time history of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-457
B-193.	Time history of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-459

TASK 1/HEAVE MOTION/MODEL 5514

B-194.	Time history of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-461
B-195.	Time history of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-463
B-196.	Time history of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-465
B-197.	Time history of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-467
B-198.	Time history of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-469
B-199.	Time history of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-471
B-200.	Time history of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-473
B-201.	Time history of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-475
B-202.	Time history of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-477
B-203.	Time history of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-479
B-204.	Time history of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-481
B-205.	Time history of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-483
B-206.	Time history of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-485
B-207.	Time history of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-487

TASK 1/HEAVE MOTION/MODEL 5514

B-208.	Time history of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-489
B-209.	Time history of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-491
B-210.	Time history of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-493
B-211.	Time history of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-495
B-212.	Time history of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-497
B-213.	Time history of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-499
B-214.	Time history of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-501
B-215.	Time history of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-503
B-216.	Time history of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-505
B-217.	Time history of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-507
B-218.	Time history of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-509
B-219.	Time history of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-511
B-220.	Time history of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-513
B-221.	Time history of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-515

TASK 1/HEAVE MOTION/MODEL 5514

B-222.	Time history of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-517
B-223.	Time history of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-519
B-224.	Time history of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-521
B-225.	Time history of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-523
B-226.	Time history of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-525
B-227.	Time history of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-527
B-228.	Time history of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-529
B-229.	Time history of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-531
B-230.	Time history of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-533
B-231.	Time history of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-535
B-232.	Time history of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-537
B-233.	Time history of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-539
B-234.	Time history of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-541
B-235.	Time history of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-543

TASK 1/HEAVE MOTION/MODEL 5514

B-236.	Time history of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-545
B-237.	Time history of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-547
B-238.	Time history of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-549
B-239.	Time history of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-551
B-240.	Time history of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-553
B-241.	Time history of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-555
B-242.	Time history of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-557
B-243.	Time history of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-559
B-244.	Time history of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-561
B-245.	Time history of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-563
B-246.	Time history of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-565
B-247.	Time history of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-567
B-248.	Time history of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-569
B-249.	Time history of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-571

TASK 1/HEAVE MOTION/MODEL 5514

B-250.	Time history of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-573
B-251.	Time history of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-575
B-252.	Time history of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-577
B-253.	Time history of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-579
B-254.	Time history of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-581
B-255.	Time history of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-583
B-256.	Time history of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-585
B-257.	Time history of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-587
B-258.	Time history of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-589
B-259.	Time history of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-591
B-260.	Time history of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-593
B-261.	Time history of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-595
B-262.	Time history of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-597
B-263.	Time history of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-599

TASK 1/HEAVE MOTION/MODEL 5514

B-264.	Time history of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-601
B-265.	Time history of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-603
B-266.	Time history of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-605
B-267.	Time history of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-607
B-268.	Time history of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-609
B-269.	Time history of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-611
B-270.	Time history of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-613
B-271.	Time history of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-615
B-272.	Time history of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-617
B-273.	Time history of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-619
B-274.	Time history of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-621
B-275.	Time history of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-623
B-276.	Time history of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-625
B-277.	Time history of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-627

TASK 1/HEAVE MOTION/MODEL 5514

B-278.	Time history of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-629
B-279.	Time history of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-631
B-280.	Time history of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-633
B-281.	Time history of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-635
B-282.	Time history of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-637
B-283.	Time history of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-639
B-284.	Time history of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-641
B-285.	Time history of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-643
B-286.	Time history of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-645
B-287.	Time history of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-647
B-288.	Time history of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-649
B-289.	Time history of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-651
B-290.	Time history of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-653
B-291.	Time history of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-655

TASK 1/HEAVE MOTION/MODEL 5514

B-292.	Time history of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-657
B-293.	Time history of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-659
B-294.	Time history of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-661
B-295.	Time history of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-663
B-296.	Time history of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-665
B-297.	Time history of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-667
B-298.	Time history of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-669
B-299.	Time history of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-671
B-300.	Time history of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-673

Tables

	<i>Page</i>
B-1. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-76
B-2. Minimum and maximum of z_e for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-76
B-3. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-78

TASK 1/HEAVE MOTION/MODEL 5514

- B-4. Minimum and maximum of z_e for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-78
- B-5. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-80
- B-6. Minimum and maximum of z_e for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-80
- B-7. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-82
- B-8. Minimum and maximum of z_e for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-82
- B-9. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-84
- B-10. Minimum and maximum of z_e for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-84
- B-11. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-86
- B-12. Minimum and maximum of z_e for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-86
- B-13. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-88
- B-14. Minimum and maximum of z_e for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-88
- B-15. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-90

TASK 1/HEAVE MOTION/MODEL 5514

- B-16. Minimum and maximum of z_e for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-90
- B-17. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-92
- B-18. Minimum and maximum of z_e for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-92
- B-19. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-94
- B-20. Minimum and maximum of z_e for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-94
- B-21. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-96
- B-22. Minimum and maximum of z_e for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-96
- B-23. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-98
- B-24. Minimum and maximum of z_e for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-98
- B-25. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-100
- B-26. Minimum and maximum of z_e for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-100
- B-27. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-102

TASK 1/HEAVE MOTION/MODEL 5514

B-28.	Minimum and maximum of z_e for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-102
B-29.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-104
B-30.	Minimum and maximum of z_e for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-104
B-31.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-106
B-32.	Minimum and maximum of z_e for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-106
B-33.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-108
B-34.	Minimum and maximum of z_e for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-108
B-35.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-110
B-36.	Minimum and maximum of z_e for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-110
B-37.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-112
B-38.	Minimum and maximum of z_e for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-112
B-39.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-114

TASK 1/HEAVE MOTION/MODEL 5514

B-40.	Minimum and maximum of z_e for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-114
B-41.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-116
B-42.	Minimum and maximum of z_e for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-116
B-43.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-118
B-44.	Minimum and maximum of z_e for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-118
B-45.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-120
B-46.	Minimum and maximum of z_e for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-120
B-47.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-122
B-48.	Minimum and maximum of z_e for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-122
B-49.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-124
B-50.	Minimum and maximum of z_e for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-124
B-51.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-126

TASK 1/HEAVE MOTION/MODEL 5514

B-52.	Minimum and maximum of z_e for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-126
B-53.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-128
B-54.	Minimum and maximum of z_e for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-128
B-55.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-130
B-56.	Minimum and maximum of z_e for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-130
B-57.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-132
B-58.	Minimum and maximum of z_e for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-132
B-59.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-134
B-60.	Minimum and maximum of z_e for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-134
B-61.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-136
B-62.	Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-136
B-63.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-138

TASK 1/HEAVE MOTION/MODEL 5514

B-64.	Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-138
B-65.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-140
B-66.	Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-140
B-67.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-142
B-68.	Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-142
B-69.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-144
B-70.	Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-144
B-71.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-146
B-72.	Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-146
B-73.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-148
B-74.	Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-148
B-75.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-150

TASK 1/HEAVE MOTION/MODEL 5514

B-76. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-150

B-77. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-152

B-78. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-152

B-79. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-154

B-80. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-154

B-81. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-156

B-82. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-156

B-83. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-158

B-84. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-158

B-85. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-160

B-86. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-160

B-87. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-162

TASK 1/HEAVE MOTION/MODEL 5514

B-88. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-162

B-89. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-164

B-90. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-164

B-91. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-166

B-92. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-166

B-93. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-168

B-94. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-168

B-95. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-170

B-96. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-170

B-97. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-172

B-98. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-172

B-99. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-174

TASK 1/HEAVE MOTION/MODEL 5514

B-100.	Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-174
B-101.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-176
B-102.	Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-176
B-103.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-178
B-104.	Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-178
B-105.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-180
B-106.	Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-180
B-107.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-182
B-108.	Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-182
B-109.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-184
B-110.	Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-184
B-111.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-186

TASK 1/HEAVE MOTION/MODEL 5514

B-112.	Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-186
B-113.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-188
B-114.	Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-188
B-115.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-190
B-116.	Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-190
B-117.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-192
B-118.	Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-192
B-119.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-194
B-120.	Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-194
B-121.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-196
B-122.	Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-196
B-123.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-198

TASK 1/HEAVE MOTION/MODEL 5514

B-124.	Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-198
B-125.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-200
B-126.	Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-200
B-127.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-202
B-128.	Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-202
B-129.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-204
B-130.	Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-204
B-131.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-206
B-132.	Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-206
B-133.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-208
B-134.	Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-208
B-135.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.	B-210

TASK 1/HEAVE MOTION/MODEL 5514

B-136. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-210

B-137. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-212

B-138. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-212

B-139. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-214

B-140. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-214

B-141. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-216

B-142. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-216

B-143. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-218

B-144. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-218

B-145. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-220

B-146. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-220

B-147. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-222

TASK 1/HEAVE MOTION/MODEL 5514

- B-148. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-222
- B-149. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-224
- B-150. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-224
- B-151. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-226
- B-152. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-226
- B-153. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-228
- B-154. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-228
- B-155. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-230
- B-156. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-230
- B-157. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-232
- B-158. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-232
- B-159. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-234

TASK 1/HEAVE MOTION/MODEL 5514

- B-160. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-234
- B-161. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-236
- B-162. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-236
- B-163. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-238
- B-164. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-238
- B-165. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-240
- B-166. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-240
- B-167. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-242
- B-168. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-242
- B-169. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-244
- B-170. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-244
- B-171. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-246

TASK 1/HEAVE MOTION/MODEL 5514

- B-172. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-246
- B-173. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-248
- B-174. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-248
- B-175. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-250
- B-176. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-250
- B-177. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-252
- B-178. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-252
- B-179. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-254
- B-180. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-254
- B-181. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-256
- B-182. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-256
- B-183. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-258

TASK 1/HEAVE MOTION/MODEL 5514

- B-184. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-258
- B-185. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-260
- B-186. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-260
- B-187. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-262
- B-188. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-262
- B-189. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-264
- B-190. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-264
- B-191. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-266
- B-192. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-266
- B-193. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-268
- B-194. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-268
- B-195. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-270

TASK 1/HEAVE MOTION/MODEL 5514

B-196. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-270

B-197. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-272

B-198. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-272

B-199. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-274

B-200. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-274

B-201. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-276

B-202. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-276

B-203. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-278

B-204. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-278

B-205. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-280

B-206. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-280

B-207. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-282

TASK 1/HEAVE MOTION/MODEL 5514

- B-208. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-282
- B-209. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-284
- B-210. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-284
- B-211. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-286
- B-212. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-286
- B-213. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-288
- B-214. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-288
- B-215. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-290
- B-216. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-290
- B-217. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-292
- B-218. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-292
- B-219. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-294

TASK 1/HEAVE MOTION/MODEL 5514

B-220.	Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-294
B-221.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-296
B-222.	Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-296
B-223.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-298
B-224.	Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-298
B-225.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-300
B-226.	Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-300
B-227.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-302
B-228.	Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-302
B-229.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-304
B-230.	Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-304
B-231.	Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.	B-306

TASK 1/HEAVE MOTION/MODEL 5514

- B-232. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-306
- B-233. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-308
- B-234. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-308
- B-235. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-310
- B-236. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-310
- B-237. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-312
- B-238. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-312
- B-239. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-314
- B-240. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-314
- B-241. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-316
- B-242. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-316
- B-243. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-318

TASK 1/HEAVE MOTION/MODEL 5514

- B-244. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-318
- B-245. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-320
- B-246. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-320
- B-247. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-322
- B-248. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-322
- B-249. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-324
- B-250. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-324
- B-251. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-326
- B-252. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-326
- B-253. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-328
- B-254. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-328
- B-255. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-330

TASK 1/HEAVE MOTION/MODEL 5514

- B-256. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-330
- B-257. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-332
- B-258. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-332
- B-259. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-334
- B-260. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-334
- B-261. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-336
- B-262. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-336
- B-263. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-338
- B-264. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-338
- B-265. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-340
- B-266. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-340
- B-267. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-342

TASK 1/HEAVE MOTION/MODEL 5514

- B-268. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-342
- B-269. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-344
- B-270. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-344
- B-271. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-346
- B-272. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-346
- B-273. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-348
- B-274. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-348
- B-275. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-350
- B-276. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-350
- B-277. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-352
- B-278. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-352
- B-279. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-354

TASK 1/HEAVE MOTION/MODEL 5514

- B-280. Minimum and maximum of of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-354
- B-281. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-356
- B-282. Minimum and maximum of of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-356
- B-283. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-358
- B-284. Minimum and maximum of of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-358
- B-285. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-360
- B-286. Minimum and maximum of of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-360
- B-287. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-362
- B-288. Minimum and maximum of of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-362
- B-289. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-364
- B-290. Minimum and maximum of of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-364
- B-291. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-366

TASK 1/HEAVE MOTION/MODEL 5514

- B-292. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-366
- B-293. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-368
- B-294. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-368
- B-295. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-370
- B-296. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-370
- B-297. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-372
- B-298. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-372
- B-299. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-374
- B-300. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-374
- B-301. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-376
- B-302. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-376
- B-303. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-378

TASK 1/HEAVE MOTION/MODEL 5514

- B-304. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-378
- B-305. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-380
- B-306. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-380
- B-307. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-382
- B-308. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-382
- B-309. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-384
- B-310. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-384
- B-311. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-386
- B-312. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-386
- B-313. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-388
- B-314. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-388
- B-315. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-390

TASK 1/HEAVE MOTION/MODEL 5514

- B-316. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-390
- B-317. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-392
- B-318. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-392
- B-319. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-394
- B-320. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-394
- B-321. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-396
- B-322. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-396
- B-323. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-398
- B-324. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-398
- B-325. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-400
- B-326. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-400
- B-327. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-402

TASK 1/HEAVE MOTION/MODEL 5514

- B-328. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-402
- B-329. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-404
- B-330. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-404
- B-331. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-406
- B-332. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-406
- B-333. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-408
- B-334. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-408
- B-335. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-410
- B-336. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-410
- B-337. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-412
- B-338. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-412
- B-339. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-414

TASK 1/HEAVE MOTION/MODEL 5514

- B-340. Minimum and maximum of of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-414
- B-341. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-416
- B-342. Minimum and maximum of of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-416
- B-343. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-418
- B-344. Minimum and maximum of of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-418
- B-345. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-420
- B-346. Minimum and maximum of of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-420
- B-347. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-422
- B-348. Minimum and maximum of of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-422
- B-349. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-424
- B-350. Minimum and maximum of of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-424
- B-351. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-426

TASK 1/HEAVE MOTION/MODEL 5514

- B-352. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-426
- B-353. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-428
- B-354. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-428
- B-355. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-430
- B-356. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-430
- B-357. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-432
- B-358. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-432
- B-359. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-434
- B-360. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-434
- B-361. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-436
- B-362. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-436
- B-363. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-438

TASK 1/HEAVE MOTION/MODEL 5514

- B-364. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-438
- B-365. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-440
- B-366. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-440
- B-367. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-442
- B-368. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-442
- B-369. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-444
- B-370. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-444
- B-371. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-446
- B-372. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-446
- B-373. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-448
- B-374. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-448
- B-375. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-450

TASK 1/HEAVE MOTION/MODEL 5514

- B-376. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-450
- B-377. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-452
- B-378. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-452
- B-379. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-454
- B-380. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-454
- B-381. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-456
- B-382. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-456
- B-383. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-458
- B-384. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-458
- B-385. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-460
- B-386. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-460
- B-387. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-462

TASK 1/HEAVE MOTION/MODEL 5514

- B-388. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-462
- B-389. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-464
- B-390. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-464
- B-391. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-466
- B-392. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-466
- B-393. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-468
- B-394. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-468
- B-395. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-470
- B-396. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-470
- B-397. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-472
- B-398. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-472
- B-399. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-474

TASK 1/HEAVE MOTION/MODEL 5514

- B-400. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-474
- B-401. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-476
- B-402. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-476
- B-403. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-478
- B-404. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-478
- B-405. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-480
- B-406. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-480
- B-407. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-482
- B-408. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-482
- B-409. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-484
- B-410. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-484
- B-411. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-486

TASK 1/HEAVE MOTION/MODEL 5514

- B-412. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-486
- B-413. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-488
- B-414. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-488
- B-415. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-490
- B-416. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-490
- B-417. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-492
- B-418. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-492
- B-419. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-494
- B-420. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-494
- B-421. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-496
- B-422. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-496
- B-423. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-498

TASK 1/HEAVE MOTION/MODEL 5514

- B-424. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-498
- B-425. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-500
- B-426. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-500
- B-427. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-502
- B-428. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-502
- B-429. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-504
- B-430. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-504
- B-431. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-506
- B-432. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-506
- B-433. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-508
- B-434. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-508
- B-435. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-510

TASK 1/HEAVE MOTION/MODEL 5514

- B-436. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-510
- B-437. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-512
- B-438. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-512
- B-439. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-514
- B-440. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-514
- B-441. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-516
- B-442. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-516
- B-443. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-518
- B-444. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-518
- B-445. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-520
- B-446. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-520
- B-447. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-522

TASK 1/HEAVE MOTION/MODEL 5514

- B-448. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-522
- B-449. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-524
- B-450. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-524
- B-451. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-526
- B-452. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-526
- B-453. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-528
- B-454. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-528
- B-455. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-530
- B-456. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-530
- B-457. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-532
- B-458. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-532
- B-459. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-534

TASK 1/HEAVE MOTION/MODEL 5514

- B-460. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-534
- B-461. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-536
- B-462. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-536
- B-463. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-538
- B-464. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-538
- B-465. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-540
- B-466. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-540
- B-467. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-542
- B-468. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-542
- B-469. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-544
- B-470. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-544
- B-471. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-546

TASK 1/HEAVE MOTION/MODEL 5514

- B-472. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-546
- B-473. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-548
- B-474. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-548
- B-475. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-550
- B-476. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-550
- B-477. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-552
- B-478. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-552
- B-479. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-554
- B-480. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-554
- B-481. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-556
- B-482. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-556
- B-483. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-558

TASK 1/HEAVE MOTION/MODEL 5514

- B-484. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-558
- B-485. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-560
- B-486. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-560
- B-487. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-562
- B-488. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-562
- B-489. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-564
- B-490. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-564
- B-491. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-566
- B-492. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-566
- B-493. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-568
- B-494. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-568
- B-495. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-570

TASK 1/HEAVE MOTION/MODEL 5514

- B-496. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-570
- B-497. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-572
- B-498. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-572
- B-499. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-574
- B-500. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-574
- B-501. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-576
- B-502. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-576
- B-503. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-578
- B-504. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-578
- B-505. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-580
- B-506. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-580
- B-507. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-582

TASK 1/HEAVE MOTION/MODEL 5514

- B-508. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-582
- B-509. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-584
- B-510. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-584
- B-511. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-586
- B-512. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-586
- B-513. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-588
- B-514. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-588
- B-515. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-590
- B-516. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-590
- B-517. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-592
- B-518. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-592
- B-519. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-594

TASK 1/HEAVE MOTION/MODEL 5514

- B-520. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-594
- B-521. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-596
- B-522. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-596
- B-523. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-598
- B-524. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-598
- B-525. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-600
- B-526. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-600
- B-527. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-602
- B-528. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-602
- B-529. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-604
- B-530. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-604
- B-531. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-606

TASK 1/HEAVE MOTION/MODEL 5514

- B-532. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-606
- B-533. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-608
- B-534. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-608
- B-535. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-610
- B-536. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-610
- B-537. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-612
- B-538. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-612
- B-539. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-614
- B-540. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-614
- B-541. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-616
- B-542. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-616
- B-543. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-618

TASK 1/HEAVE MOTION/MODEL 5514

- B-544. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-618
- B-545. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-620
- B-546. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-620
- B-547. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-622
- B-548. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-622
- B-549. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-624
- B-550. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-624
- B-551. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-626
- B-552. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-626
- B-553. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-628
- B-554. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-628
- B-555. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-630

TASK 1/HEAVE MOTION/MODEL 5514

- B-556. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-630
- B-557. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-632
- B-558. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-632
- B-559. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-634
- B-560. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-634
- B-561. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-636
- B-562. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-636
- B-563. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-638
- B-564. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-638
- B-565. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-640
- B-566. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-640
- B-567. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m. B-642

TASK 1/HEAVE MOTION/MODEL 5514

- B-568. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-642
- B-569. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-644
- B-570. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-644
- B-571. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-646
- B-572. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-646
- B-573. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-648
- B-574. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-648
- B-575. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-650
- B-576. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-650
- B-577. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-652
- B-578. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-652
- B-579. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-654

TASK 1/HEAVE MOTION/MODEL 5514

- B-580. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-654
- B-581. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-656
- B-582. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-656
- B-583. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-658
- B-584. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-658
- B-585. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-660
- B-586. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-660
- B-587. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-662
- B-588. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-662
- B-589. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-664
- B-590. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-664
- B-591. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-666

TASK 1/HEAVE MOTION/MODEL 5514

- B-592. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-666
- B-593. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-668
- B-594. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-668
- B-595. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-670
- B-596. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-670
- B-597. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-672
- B-598. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-672
- B-599. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-674
- B-600. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m. B-674

Introduction

This appendix contains all the plots and tables for the simulations of task 1 that involve 1-DOF prescribed heave motion of Model 5514 scaled to the length 142 m. Each of Figures B–1 through B–300 contains time-history plots of the results from all codes for a single variable during one period of motion. If the code runner did not supply the data, the data vanish identically, or the data are insufficient for a single period, there is no curve for that code. The lack of data in any figure has been noted immediately below the figure. In addition, if a quantity vanishes due to port-starboard symmetry, it is not plotted. As necessary, the time that appears on the horizontal axis has been shifted so that the heave displacement of CG is of the form $z/T = z_a \sin \omega t$ for some amplitude z_a and some frequency ω . Furthermore, the time t has been replaced by $t \bmod T_e$ where T_e is the period of the motion.

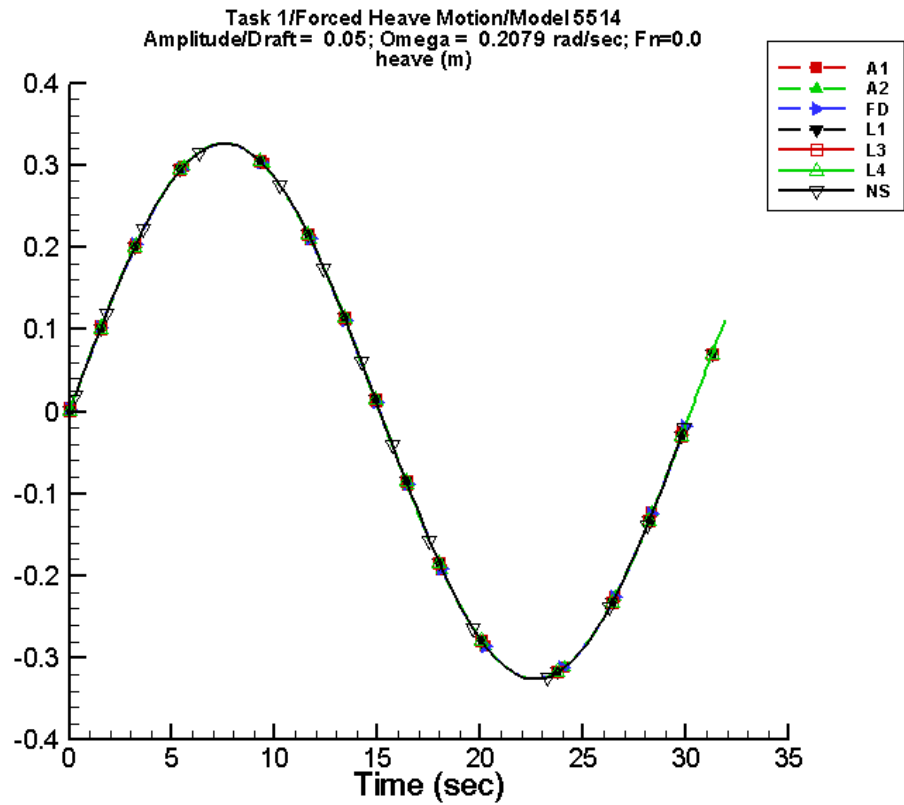
Tables B–1 through B–600 contain information related to the results depicted in the figures. Two tables follow each figure. The first table gives estimates of the mean value and the amplitudes and phases of the first and second harmonics obtained by Fourier analysis. The second table gives the minimum and maximum of the variable plotted in the figure. The minimum and maximum of both the filtered and unfiltered variables are provided. However, the plot itself was obtained from unfiltered data unless the data were already filtered by the code runner, as is the case for the results from NFA.

Appendix L contains plots and tables for the behavior of the minimum and the maximum of each variable plotted in this appendix versus the nondimensional amplitude z_a/T .

In the prescribed heave motions of task 1, the frequencies and nondimensional amplitudes for the simulations assigned to each code runner are the same for both Model 5514 and Model 5613 and for both speeds corresponding to Froude numbers 0.0 and 0.3. For the prescribed heave motion of task 1, they are given in the main part of the report and are also here for ease of reference:

Heave Motion $z_e = z_a \sin(\omega t)$					
Heave Amplitudes z_a					
% of T_{mean}	5	10	20	40	80
M5514 (m)	0.326	0.651	1.302	2.604	5.208
M5613 (m)	0.275	0.550	1.100	2.200	4.400
Heave Frequencies ω					
ω_1 (rad/s)	0.2079	0.2079	0.2079	0.2079	0.2079
ω_2 (rad/s)	0.3831	0.3831	0.3831	0.3831	0.3831
ω_3 (rad/s)	1.1	1.1	1.1	1.1	1.1

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-1. Time history of z_e for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

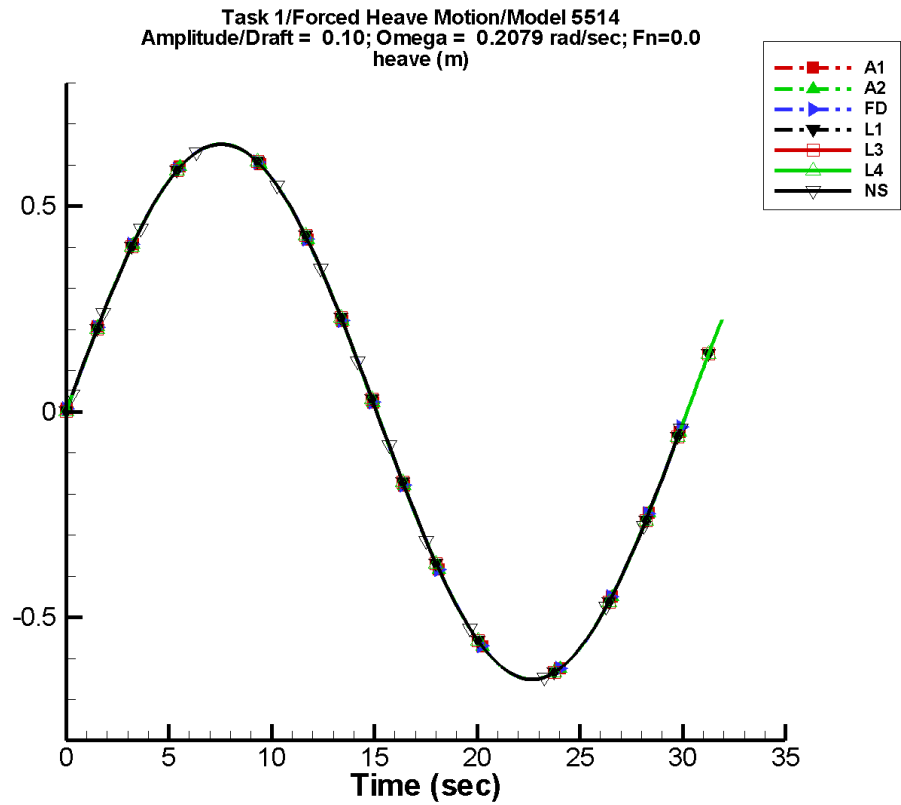
Table B-1. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-2.71E-07	0.326	0	3.25E-07	-17
A2	-2.71E-07	0.326	0	3.25E-07	-17
FD	-9.01E-09	0.326	0	1.65E-08	-58
L1	7.76E-07	0.326	0	5.69E-08	103
L3	7.76E-07	0.326	0	5.69E-08	103
L4	7.76E-07	0.326	0	5.69E-08	103
NF	—	—	—	—	—
NS	2.45E-08	0.326	0	2.20E-08	29

Table B-2. Minimum and maximum of z_e for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-0.326	0.326	-0.326	0.326
A2	-0.326	0.326	-0.326	0.326
FD	-0.325	0.325	-0.325	0.325
L1	-0.326	0.326	-0.326	0.326
L3	-0.326	0.326	-0.326	0.326
L4	-0.326	0.326	-0.326	0.326
NF	—	—	—	—
NS	-0.326	0.326	-0.323	0.323

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-2. Time history of z_e for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

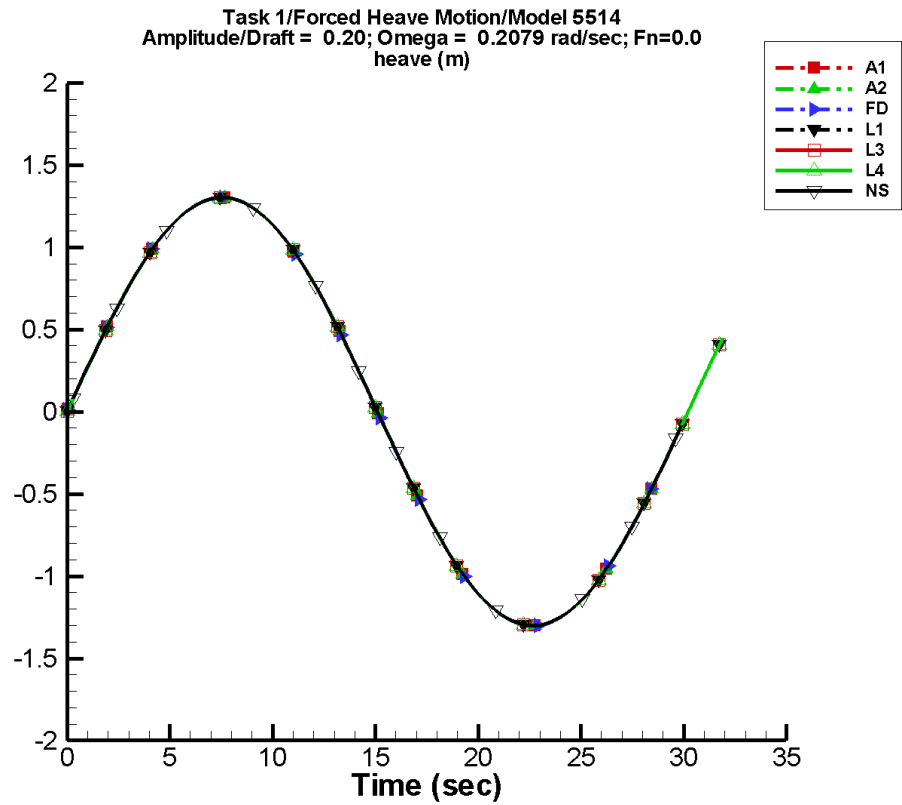
Table B–3. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-4.18E-07	0.651	0	6.76E-07	-21
A2	-4.18E-07	0.651	0	6.76E-07	-21
FD	-2.03E-08	0.651	0	4.10E-08	-8
L1	2.47E-06	0.651	0	1.07E-07	-66
L3	2.47E-06	0.651	0	1.07E-07	-66
L4	2.47E-06	0.651	0	1.07E-07	-66
NF	—	—	—	—	—
NS	5.12E-08	0.651	0	4.04E-08	-2

Table B–4. Minimum and maximum of z_e for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-0.651	0.651	-0.650	0.651
A2	-0.651	0.651	-0.650	0.651
FD	-0.651	0.651	-0.650	0.650
L1	-0.651	0.651	-0.651	0.651
L3	-0.651	0.651	-0.651	0.651
L4	-0.651	0.651	-0.651	0.651
NF	—	—	—	—
NS	-0.651	0.651	-0.645	0.645

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-3. Time history of z_e for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

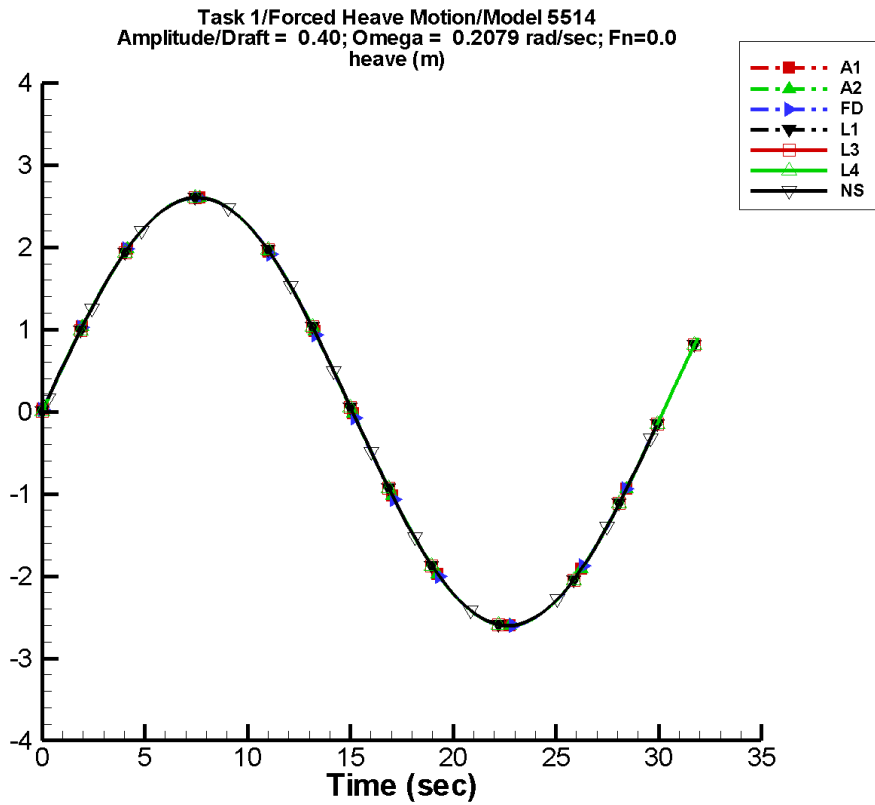
Table B-5. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-9.15E-07	1.30	0	1.35E-06	-24
A2	-9.15E-07	1.30	0	1.35E-06	-24
FD	-5.63E-08	1.30	0	1.02E-07	-19
L1	4.73E-06	1.30	0	2.02E-07	66
L3	4.73E-06	1.30	0	2.02E-07	66
L4	4.73E-06	1.30	0	2.02E-07	66
NF	—	—	—	—	—
NS	1.12E-07	1.30	0	1.12E-07	8

Table B-6. Minimum and maximum of z_e for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-1.30	1.30	-1.30	1.30
A2	-1.30	1.30	-1.30	1.30
FD	-1.30	1.30	-1.30	1.30
L1	-1.30	1.30	-1.30	1.30
L3	-1.30	1.30	-1.30	1.30
L4	-1.30	1.30	-1.30	1.30
NF	—	—	—	—
NS	-1.30	1.30	-1.29	1.29

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-4. Time history of z_e for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

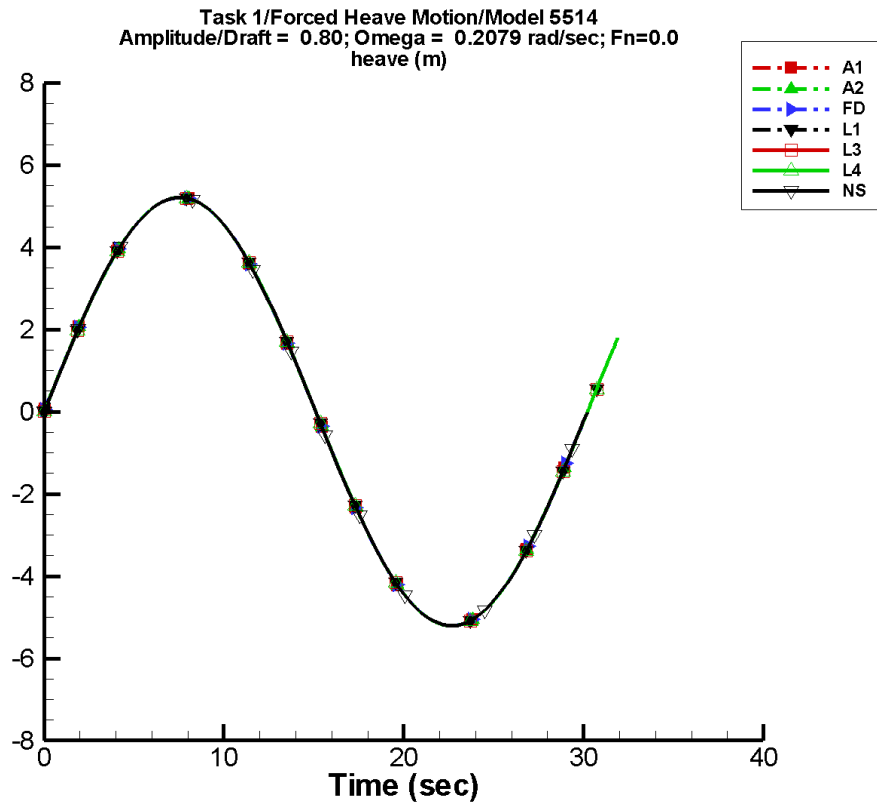
Table B-7. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-1.59E-06	2.60	0	2.76E-06	-25
A2	-1.59E-06	2.60	0	2.76E-06	-25
FD	-6.34E-08	2.60	0	9.55E-08	-164
L1	9.47E-06	2.60	0	7.32E-08	-94
L3	9.47E-06	2.60	0	7.32E-08	-94
L4	9.47E-06	2.60	0	7.32E-08	-94
NF	—	—	—	—	—
NS	2.17E-07	2.60	0	1.28E-07	12

Table B-8. Minimum and maximum of z_e for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-2.60	2.60	-2.60	2.60
A2	-2.60	2.60	-2.60	2.60
FD	-2.60	2.60	-2.60	2.60
L1	-2.60	2.60	-2.60	2.60
L3	-2.60	2.60	-2.60	2.60
L4	-2.60	2.60	-2.60	2.60
NF	—	—	—	—
NS	-2.60	2.60	-2.58	2.58

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-5. Time history of z_e for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

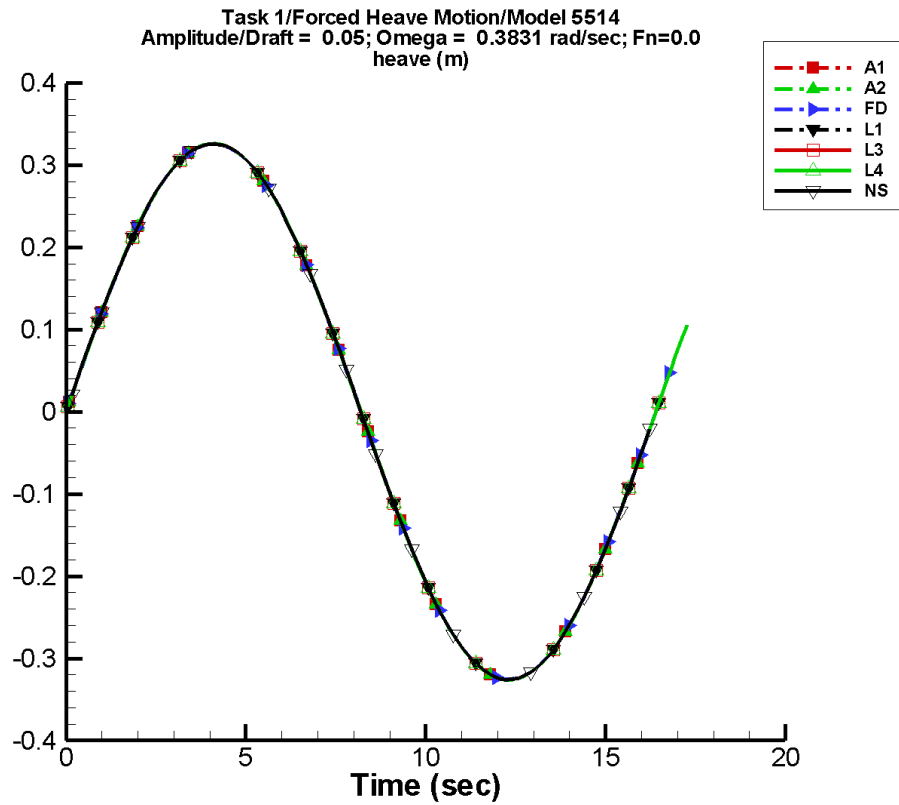
Table B–9. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-3.38E-06	5.21	0	5.44E-06	-23
A2	-3.38E-06	5.21	0	5.44E-06	-23
FD	-8.20E-08	5.21	0	8.13E-08	-12
L1	1.95E-05	5.21	0	6.23E-07	-46
L3	1.95E-05	5.21	0	6.23E-07	-46
L4	1.95E-05	5.21	0	6.23E-07	-46
NF	—	—	—	—	—
NS	-3.48E-07	5.21	0	4.66E-07	52

Table B–10. Minimum and maximum of z_e for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-5.21	5.21	-5.20	5.21
A2	-5.21	5.21	-5.20	5.21
FD	-5.21	5.21	-5.20	5.20
L1	-5.21	5.21	-5.21	5.21
L3	-5.21	5.21	-5.21	5.21
L4	-5.21	5.21	-5.21	5.21
NF	—	—	—	—
NS	-5.21	5.21	-5.18	5.18

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-6. Time history of z_e for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

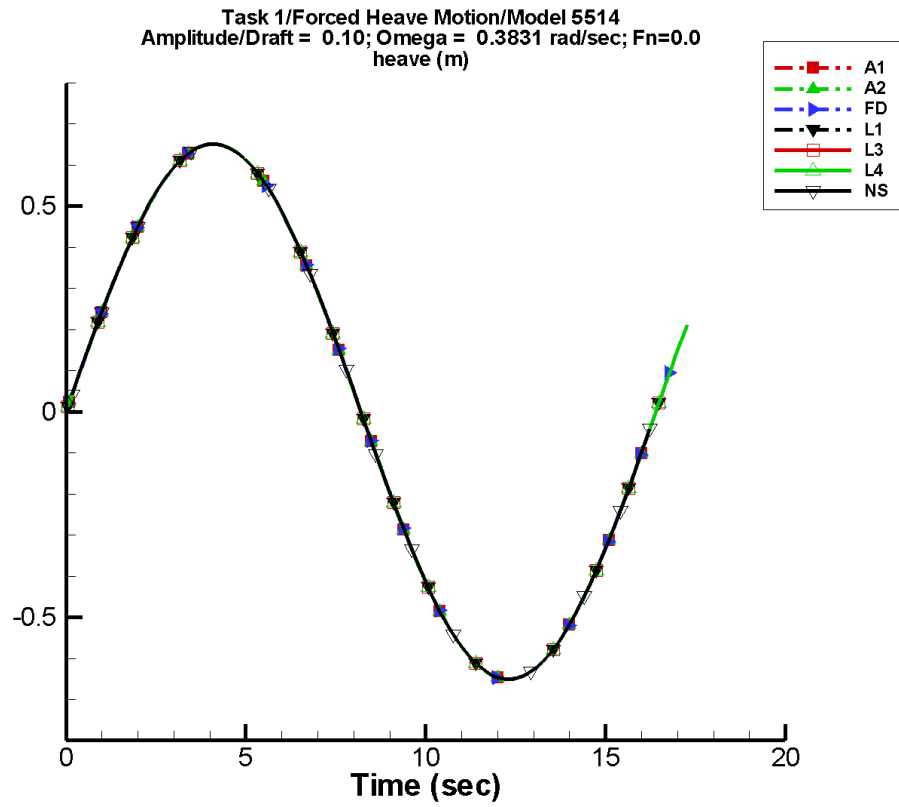
Table B–11. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	1.07E-08	0.326	0	3.45E-08	-35
A2	1.07E-08	0.326	0	3.45E-08	-35
FD	-3.63E-08	0.325	0	3.98E-08	-89
L1	1.17E-06	0.326	0	4.68E-08	-30
L3	1.17E-06	0.326	0	4.68E-08	-30
L4	1.17E-06	0.326	0	4.68E-08	-30
NF	—	—	—	—	—
NS	5.69E-11	0.326	0	2.62E-08	-146

Table B–12. Minimum and maximum of z_e for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-0.326	0.326	-0.325	0.327
A2	-0.326	0.326	-0.325	0.327
FD	-0.325	0.325	-0.324	0.324
L1	-0.326	0.326	-0.326	0.326
L3	-0.326	0.326	-0.326	0.326
L4	-0.326	0.326	-0.326	0.326
NF	—	—	—	—
NS	-0.326	0.326	-0.323	0.323

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-7. Time history of z_e for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

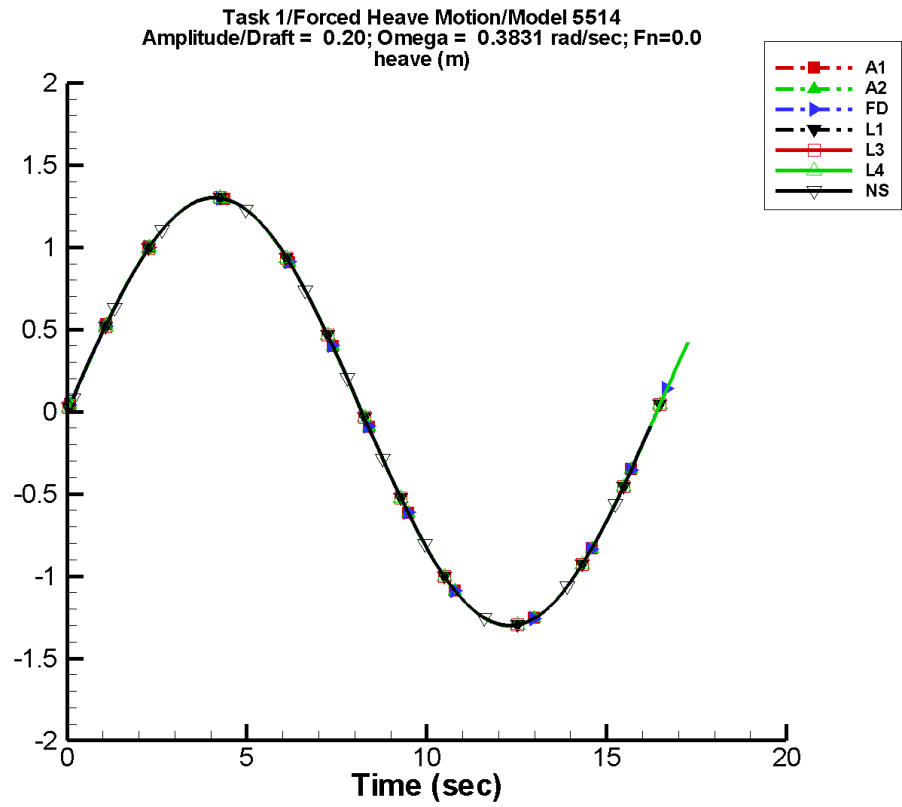
Table B–13. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	5.57E-08	0.651	0	2.39E-08	-175
A2	5.57E-08	0.651	0	2.39E-08	-175
FD	-6.28E-08	0.651	0	6.72E-08	-90
L1	2.20E-06	0.651	0	6.72E-08	78
L3	2.20E-06	0.651	0	6.72E-08	78
L4	2.20E-06	0.651	0	6.72E-08	78
NF	—	—	—	—	—
NS	-4.91E-08	0.651	0	7.48E-08	177

Table B–14. Minimum and maximum of z_e for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-0.651	0.651	-0.649	0.653
A2	-0.651	0.651	-0.649	0.653
FD	-0.651	0.651	-0.649	0.649
L1	-0.651	0.651	-0.650	0.650
L3	-0.651	0.651	-0.650	0.650
L4	-0.651	0.651	-0.650	0.650
NF	—	—	—	—
NS	-0.651	0.651	-0.644	0.644

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-8. Time history of z_e for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

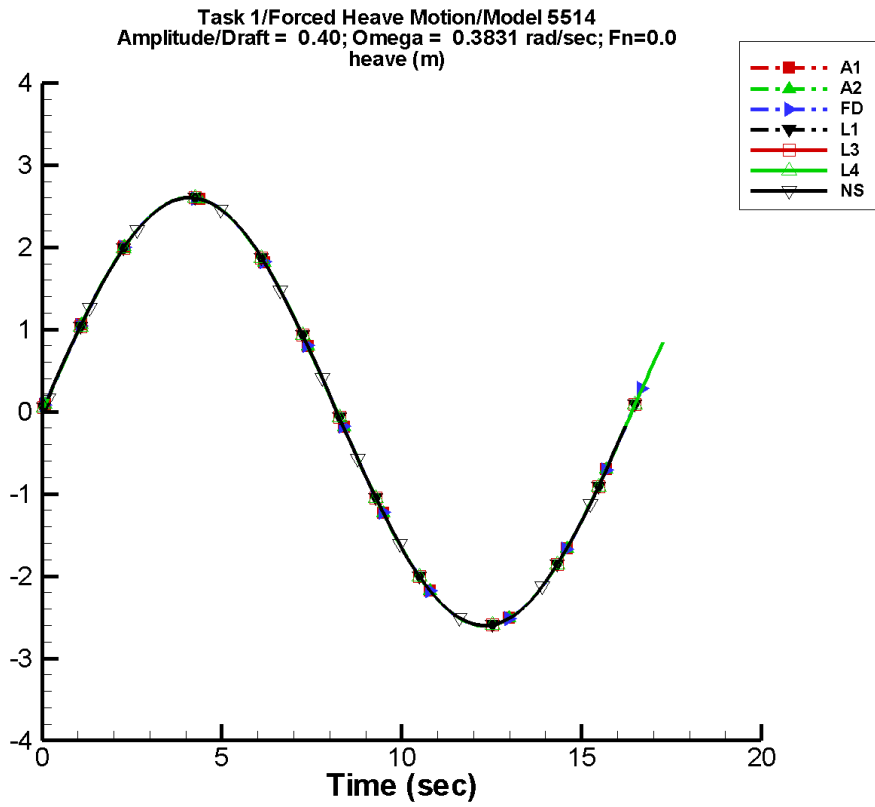
Table B–15. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	5.08E-08	1.30	0	5.27E-08	98
A2	5.08E-08	1.30	0	5.27E-08	98
FD	-1.55E-07	1.30	0	9.91E-08	-105
L1	4.34E-06	1.30	0	2.58E-07	62
L3	4.34E-06	1.30	0	2.58E-07	62
L4	4.34E-06	1.30	0	2.58E-07	62
NF	—	—	—	—	—
NS	-8.38E-08	1.30	0	1.73E-07	-157

Table B–16. Minimum and maximum of z_e for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-1.30	1.30	-1.30	1.31
A2	-1.30	1.30	-1.30	1.31
FD	-1.30	1.30	-1.30	1.30
L1	-1.30	1.30	-1.30	1.30
L3	-1.30	1.30	-1.30	1.30
L4	-1.30	1.30	-1.30	1.30
NF	—	—	—	—
NS	-1.30	1.30	-1.29	1.29

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-9. Time history of z_e for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

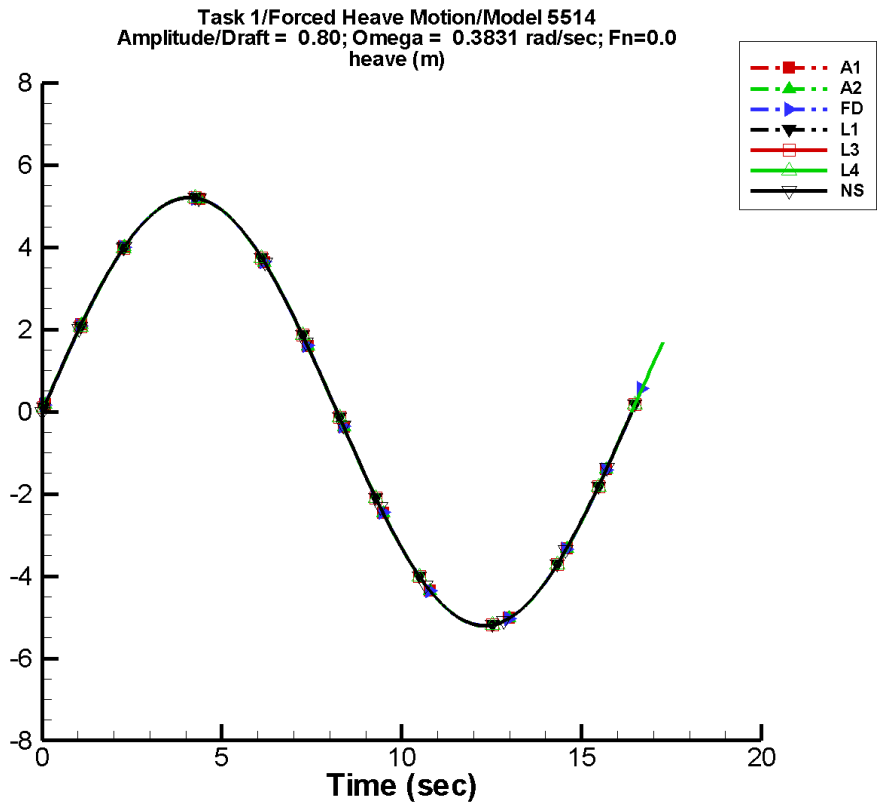
Table B–17. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	2.82E-07	2.60	0	3.77E-08	49
A2	2.82E-07	2.60	0	3.77E-08	49
FD	-2.65E-07	2.60	0	3.31E-07	-93
L1	8.71E-06	2.60	0	2.53E-07	30
L3	8.71E-06	2.60	0	2.53E-07	30
L4	8.71E-06	2.60	0	2.53E-07	30
NF	—	—	—	—	—
NS	-2.53E-07	2.60	0	2.51E-07	179

Table B–18. Minimum and maximum of z_e for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-2.60	2.60	-2.59	2.61
A2	-2.60	2.60	-2.59	2.61
FD	-2.60	2.60	-2.59	2.59
L1	-2.60	2.60	-2.60	2.60
L3	-2.60	2.60	-2.60	2.60
L4	-2.60	2.60	-2.60	2.60
NF	—	—	—	—
NS	-2.60	2.60	-2.58	2.58

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-10. Time history of z_e for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

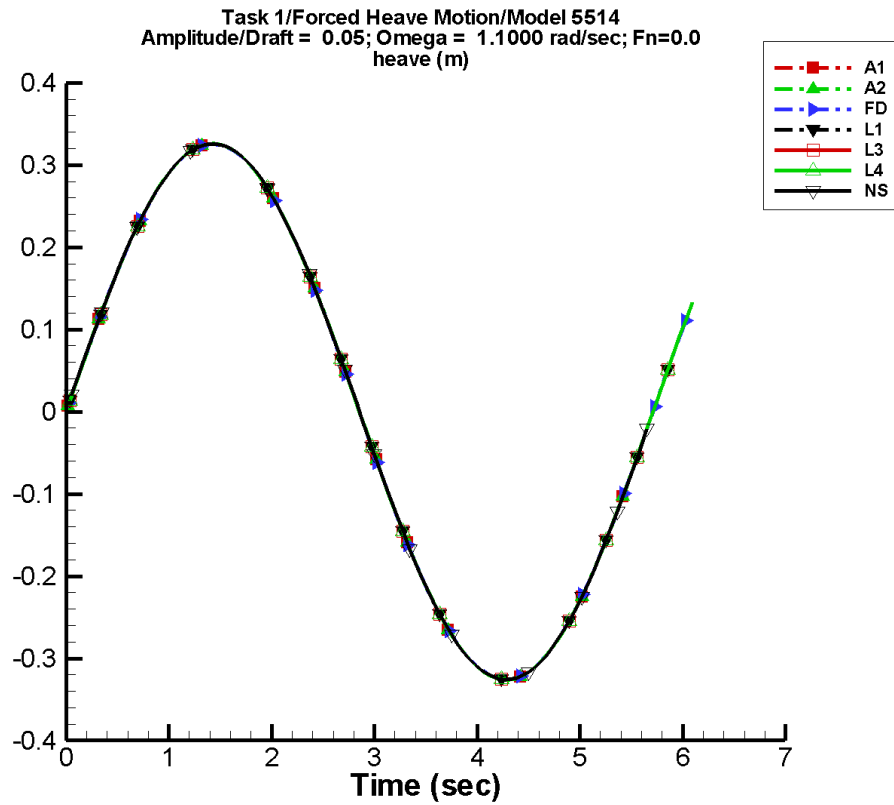
Table B–19. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	2.03E-07	5.21	0	2.11E-07	98
A2	2.03E-07	5.21	0	2.11E-07	98
FD	-5.89E-07	5.21	0	7.28E-07	-93
L1	1.71E-05	5.21	0	8.64E-07	118
L3	1.71E-05	5.21	0	8.64E-07	118
L4	1.71E-05	5.21	0	8.64E-07	118
NF	—	—	—	—	—
NS	-3.56E-07	5.21	0	4.37E-07	48

Table B–20. Minimum and maximum of z_e for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-5.21	5.21	-5.19	5.22
A2	-5.21	5.21	-5.19	5.22
FD	-5.21	5.21	-5.19	5.19
L1	-5.21	5.21	-5.20	5.20
L3	-5.21	5.21	-5.20	5.20
L4	-5.21	5.21	-5.20	5.20
NF	—	—	—	—
NS	-5.21	5.21	-5.18	5.18

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-11. Time history of z_e for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

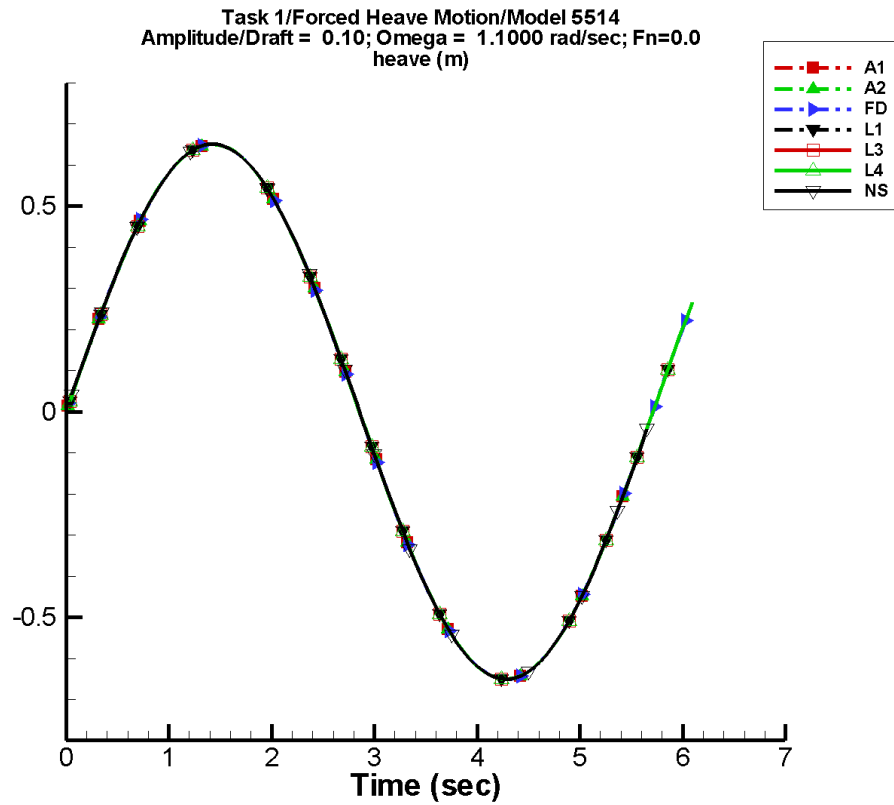
Table B–21. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $Fn = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-3.53E-07	0.326	0	5.46E-07	-11
A2	-3.53E-07	0.326	0	5.46E-07	-11
FD	-4.81E-08	0.326	0	7.75E-08	-8
L1	3.00E-07	0.326	0	3.84E-08	3
L3	3.00E-07	0.326	0	3.84E-08	3
L4	3.00E-07	0.326	0	3.84E-08	3
NF	—	—	—	—	—
NS	-1.02E-08	0.326	0	2.08E-08	-123

Table B–22. Minimum and maximum of z_e for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $Fn = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-0.326	0.326	-0.316	0.318
A2	-0.326	0.326	-0.316	0.318
FD	-0.325	0.325	-0.315	0.315
L1	-0.326	0.326	-0.322	0.322
L3	-0.326	0.326	-0.322	0.322
L4	-0.326	0.326	-0.322	0.322
NF	—	—	—	—
NS	-0.326	0.326	-0.323	0.323

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-12. Time history of z_e for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

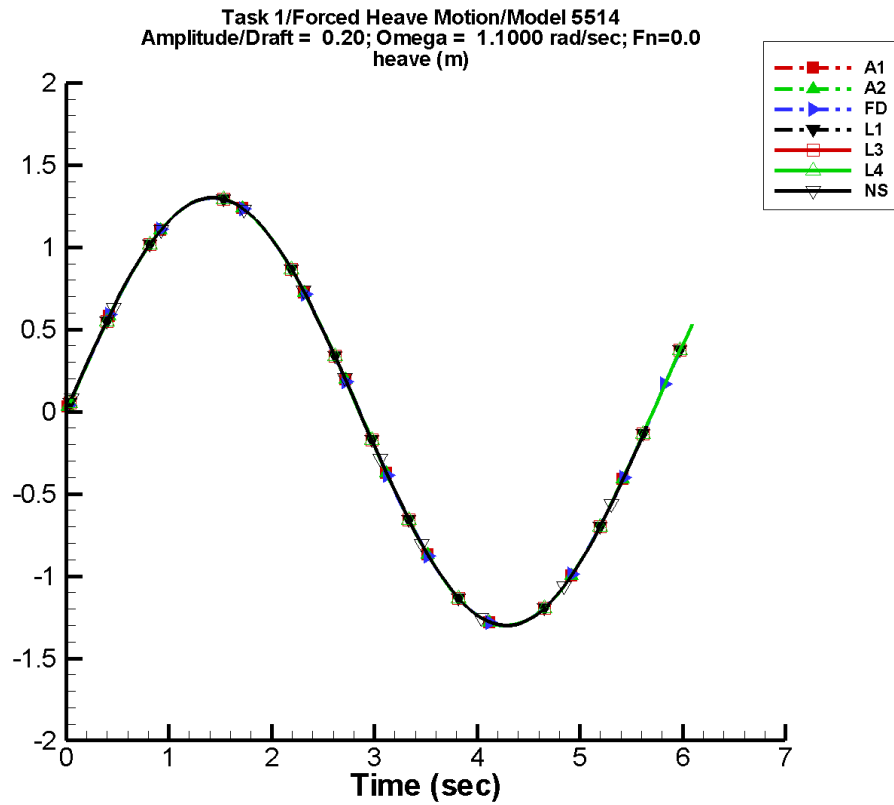
Table B–23. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-7.02E-07	0.651	0	1.04E-06	-11
A2	-7.02E-07	0.651	0	1.04E-06	-11
FD	-1.42E-07	0.651	0	1.27E-07	4
L1	8.97E-07	0.651	0	1.18E-07	54
L3	8.97E-07	0.651	0	1.18E-07	54
L4	8.97E-07	0.651	0	1.18E-07	54
NF	—	—	—	—	—
NS	-1.30E-08	0.651	0	3.00E-08	-152

Table B–24. Minimum and maximum of z_e for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-0.650	0.651	-0.631	0.635
A2	-0.650	0.651	-0.631	0.635
FD	-0.650	0.651	-0.630	0.630
L1	-0.651	0.651	-0.644	0.644
L3	-0.651	0.651	-0.644	0.644
L4	-0.651	0.651	-0.644	0.644
NF	—	—	—	—
NS	-0.651	0.651	-0.644	0.644

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-13. Time history of z_e for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

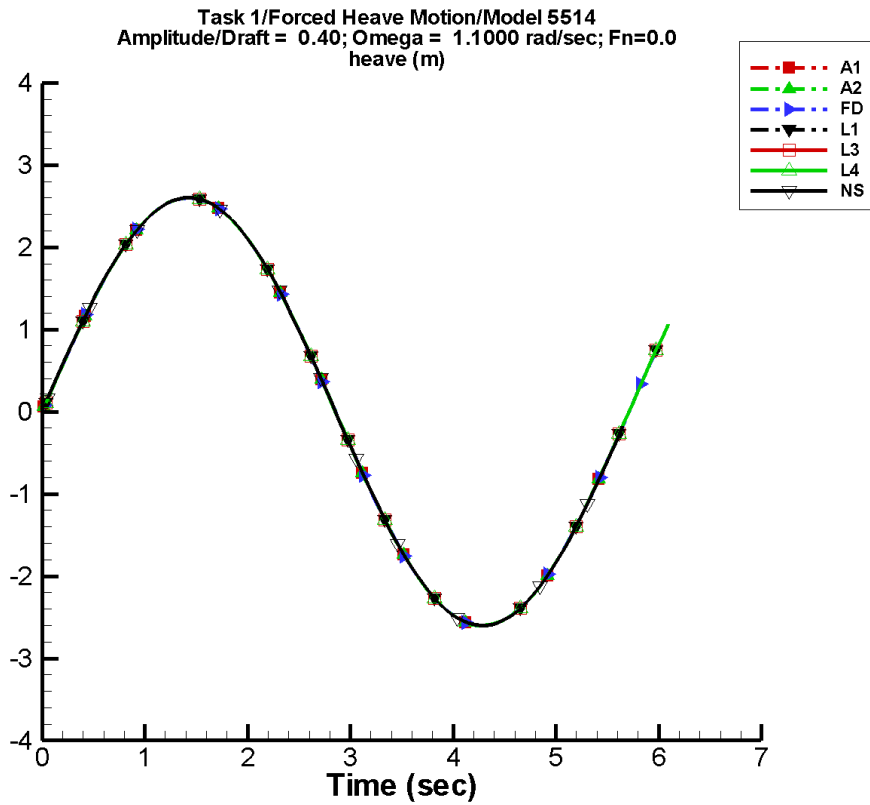
Table B–25. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-1.29E-06	1.30	0	2.06E-06	-12
A2	-1.29E-06	1.30	0	2.06E-06	-12
FD	-2.38E-07	1.30	0	2.98E-07	5
L1	2.14E-06	1.30	0	1.88E-07	-45
L3	2.14E-06	1.30	0	1.88E-07	-45
L4	2.14E-06	1.30	0	1.88E-07	-45
NF	—	—	—	—	—
NS	-6.14E-08	1.30	0	4.63E-08	-145

Table B–26. Minimum and maximum of z_e for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-1.30	1.30	-1.26	1.27
A2	-1.30	1.30	-1.26	1.27
FD	-1.30	1.30	-1.26	1.26
L1	-1.30	1.30	-1.29	1.29
L3	-1.30	1.30	-1.29	1.29
L4	-1.30	1.30	-1.29	1.29
NF	—	—	—	—
NS	-1.30	1.30	-1.29	1.29

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-14. Time history of z_e for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

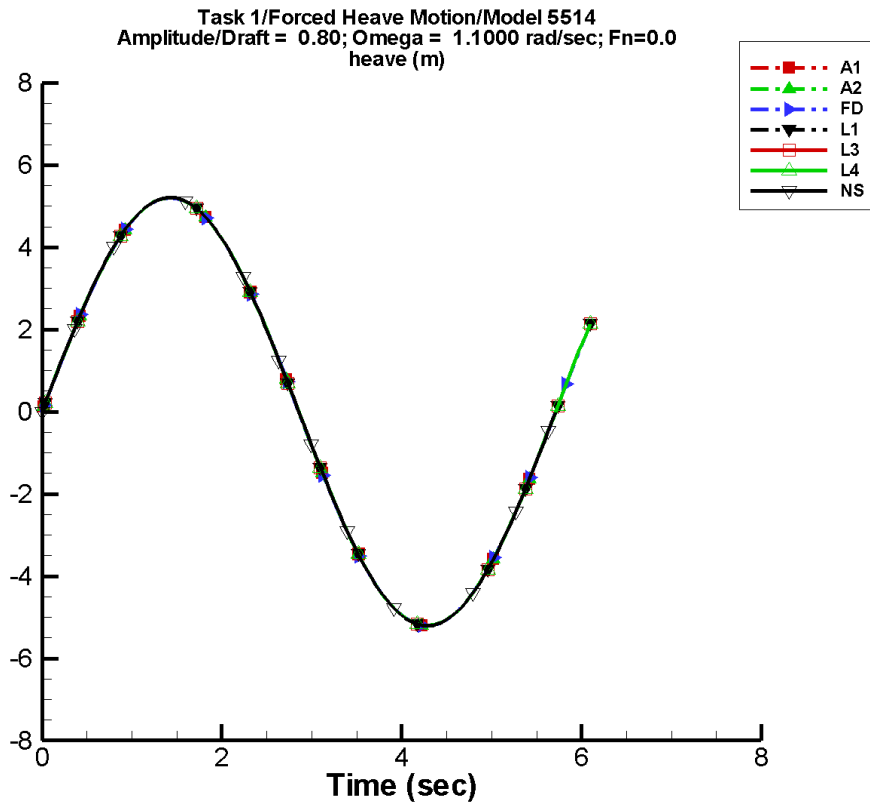
Table B–27. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-2.76E-06	2.60	0	4.13E-06	-10
A2	-2.76E-06	2.60	0	4.13E-06	-10
FD	-4.86E-07	2.60	0	5.69E-07	7
L1	3.43E-06	2.60	0	8.37E-07	35
L3	3.43E-06	2.60	0	8.37E-07	35
L4	3.43E-06	2.60	0	8.37E-07	35
NF	—	—	—	—	—
NS	-1.43E-07	2.60	0	8.72E-08	-147

Table B–28. Minimum and maximum of z_e for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-2.60	2.60	-2.52	2.54
A2	-2.60	2.60	-2.52	2.54
FD	-2.60	2.60	-2.52	2.52
L1	-2.60	2.60	-2.57	2.57
L3	-2.60	2.60	-2.57	2.57
L4	-2.60	2.60	-2.57	2.57
NF	—	—	—	—
NS	-2.60	2.60	-2.58	2.58

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-15. Time history of z_e for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

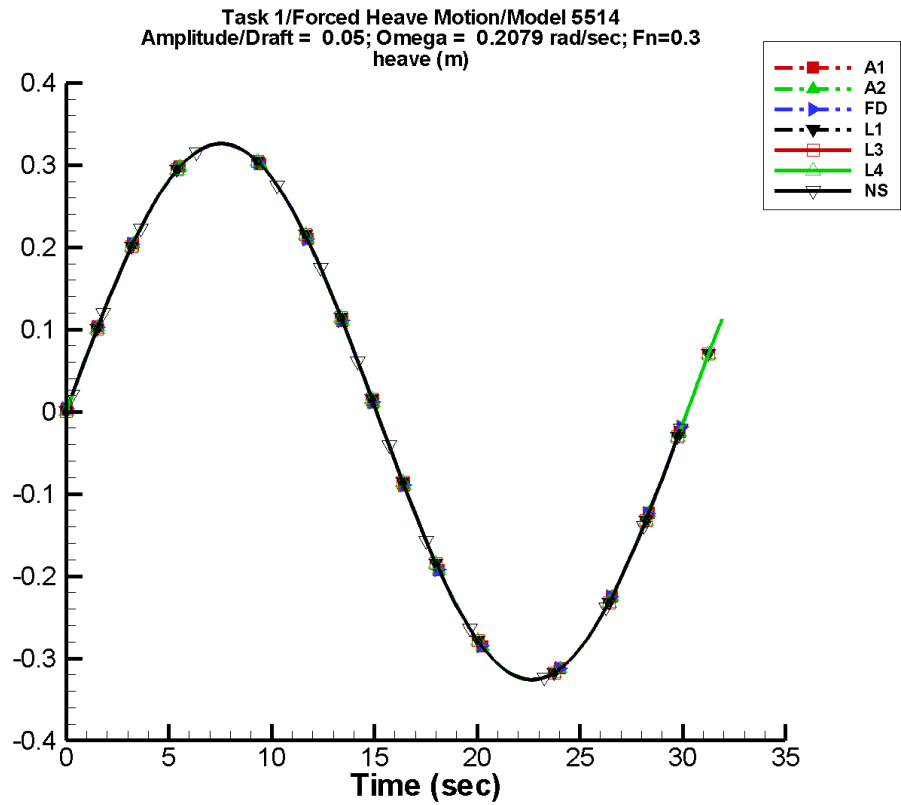
Table B–29. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-5.43E-06	5.21	0	8.07E-06	-12
A2	-5.43E-06	5.21	0	8.07E-06	-12
FD	-8.83E-07	5.21	0	1.24E-06	2
L1	6.98E-06	5.21	0	1.51E-06	35
L3	6.98E-06	5.21	0	1.51E-06	35
L4	6.98E-06	5.21	0	1.51E-06	35
NF	—	—	—	—	—
NS	5.07E-07	5.21	0	1.40E-07	35

Table B–30. Minimum and maximum of z_e for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-5.20	5.21	-5.04	5.08
A2	-5.20	5.21	-5.04	5.08
FD	-5.20	5.21	-5.04	5.04
L1	-5.21	5.21	-5.15	5.15
L3	-5.21	5.21	-5.15	5.15
L4	-5.21	5.21	-5.15	5.15
NF	—	—	—	—
NS	-5.21	5.21	-5.18	5.18

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-16. Time history of z_e for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

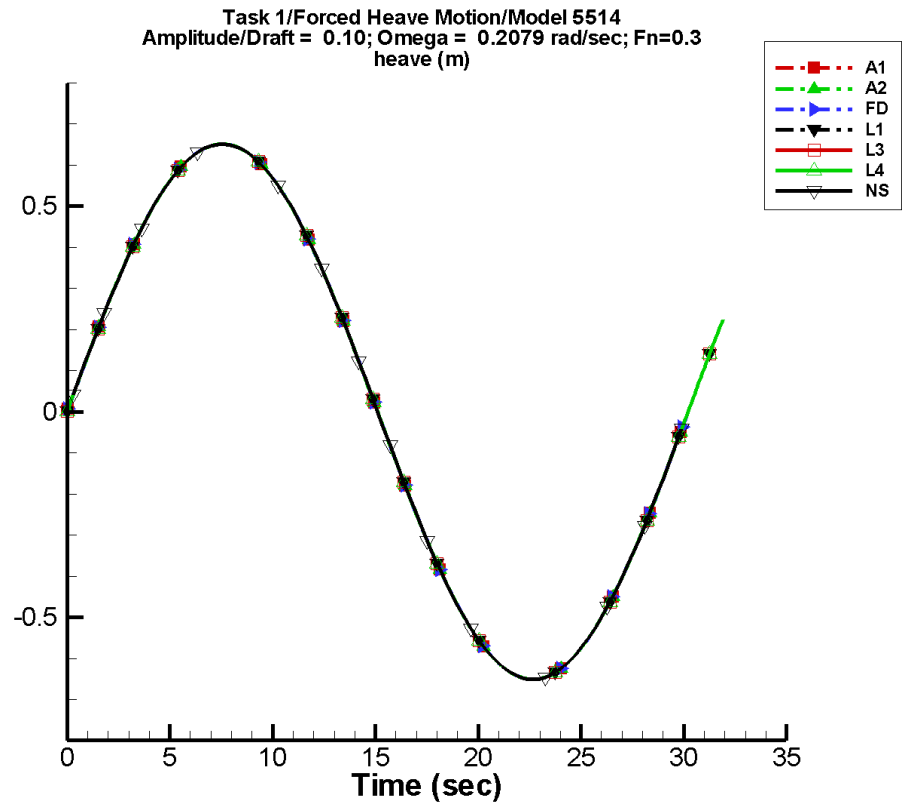
Table B–31. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-2.71E-07	0.326	0	3.25E-07	-17
A2	-2.71E-07	0.326	0	3.25E-07	-17
FD	-9.01E-09	0.326	0	1.65E-08	-58
L1	7.76E-07	0.326	0	5.69E-08	103
L3	7.76E-07	0.326	0	5.69E-08	103
L4	7.76E-07	0.326	0	5.69E-08	103
NF	—	—	—	—	—
NS	2.45E-08	0.326	0	2.20E-08	29

Table B–32. Minimum and maximum of z_e for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-0.326	0.326	-0.326	0.326
A2	-0.326	0.326	-0.326	0.326
FD	-0.325	0.325	-0.325	0.325
L1	-0.326	0.326	-0.326	0.326
L3	-0.326	0.326	-0.326	0.326
L4	-0.326	0.326	-0.326	0.326
NF	—	—	—	—
NS	-0.326	0.326	-0.323	0.323

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-17. Time history of z_e for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $Fn = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

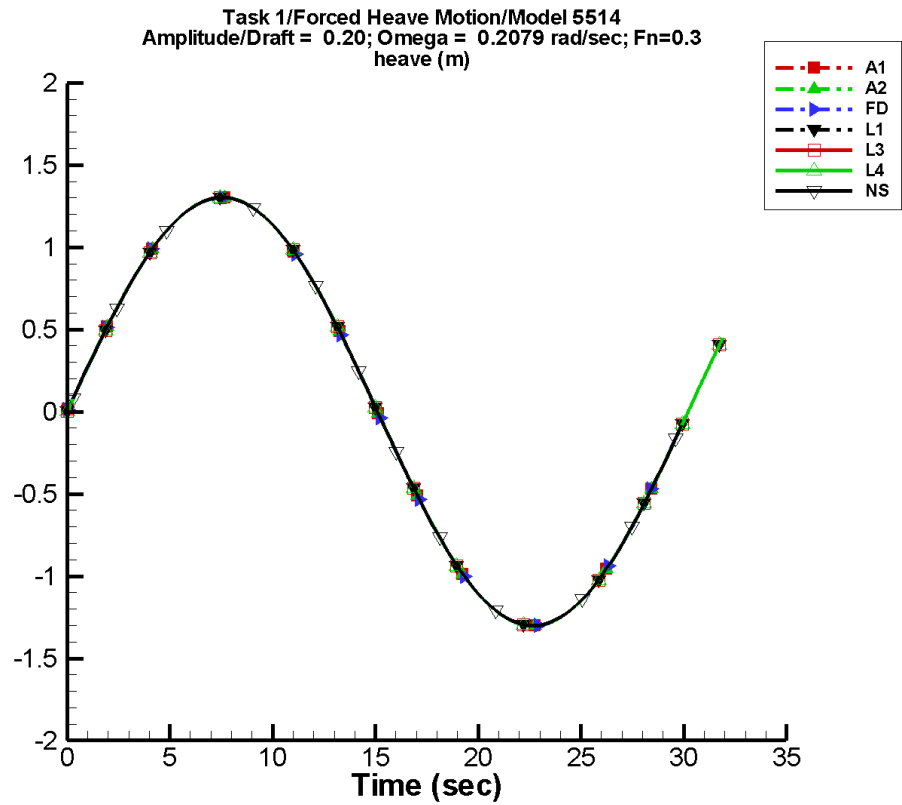
Table B–33. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-4.18E-07	0.651	0	6.76E-07	-21
A2	-4.18E-07	0.651	0	6.76E-07	-21
FD	-2.03E-08	0.651	0	4.10E-08	-8
L1	2.47E-06	0.651	0	1.07E-07	-66
L3	2.47E-06	0.651	0	1.07E-07	-66
L4	2.47E-06	0.651	0	1.07E-07	-66
NF	—	—	—	—	—
NS	5.12E-08	0.651	0	4.04E-08	-2

Table B–34. Minimum and maximum of z_e for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-0.651	0.651	-0.650	0.651
A2	-0.651	0.651	-0.650	0.651
FD	-0.651	0.651	-0.650	0.650
L1	-0.651	0.651	-0.651	0.651
L3	-0.651	0.651	-0.651	0.651
L4	-0.651	0.651	-0.651	0.651
NF	—	—	—	—
NS	-0.651	0.651	-0.645	0.645

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-18. Time history of z_e for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

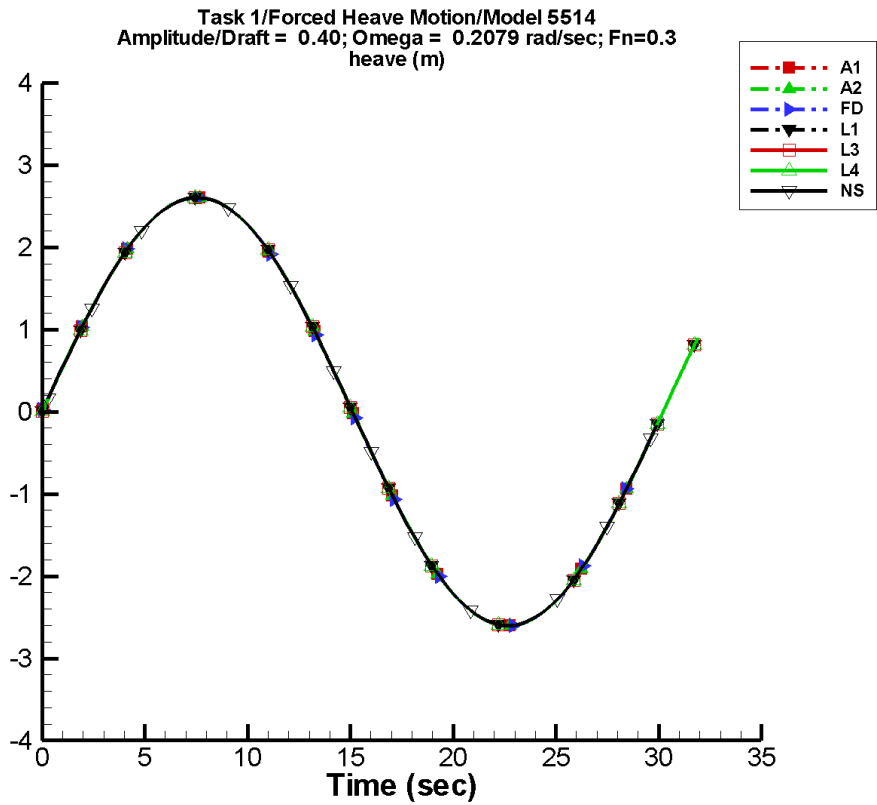
Table B–35. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-9.15E-07	1.30	0	1.35E-06	-24
A2	-9.15E-07	1.30	0	1.35E-06	-24
FD	-5.63E-08	1.30	0	1.02E-07	-19
L1	4.73E-06	1.30	0	2.02E-07	66
L3	4.73E-06	1.30	0	2.02E-07	66
L4	4.73E-06	1.30	0	2.02E-07	66
NF	—	—	—	—	—
NS	1.12E-07	1.30	0	1.12E-07	8

Table B–36. Minimum and maximum of z_e for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-1.30	1.30	-1.30	1.30
A2	-1.30	1.30	-1.30	1.30
FD	-1.30	1.30	-1.30	1.30
L1	-1.30	1.30	-1.30	1.30
L3	-1.30	1.30	-1.30	1.30
L4	-1.30	1.30	-1.30	1.30
NF	—	—	—	—
NS	-1.30	1.30	-1.29	1.29

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-19. Time history of z_e for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $Fn = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

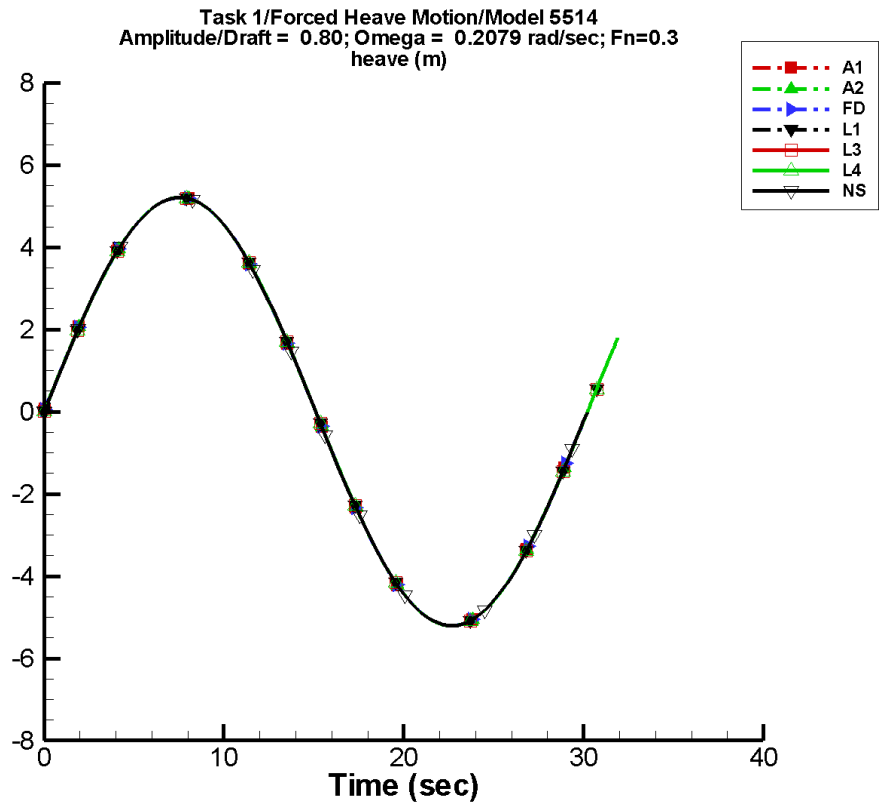
Table B–37. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-1.59E-06	2.60	0	2.76E-06	-25
A2	-1.59E-06	2.60	0	2.76E-06	-25
FD	-6.34E-08	2.60	0	9.55E-08	-164
L1	9.47E-06	2.60	0	7.32E-08	-94
L3	9.47E-06	2.60	0	7.32E-08	-94
L4	9.47E-06	2.60	0	7.32E-08	-94
NF	—	—	—	—	—
NS	2.17E-07	2.60	0	1.28E-07	12

Table B–38. Minimum and maximum of z_e for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-2.60	2.60	-2.60	2.60
A2	-2.60	2.60	-2.60	2.60
FD	-2.60	2.60	-2.60	2.60
L1	-2.60	2.60	-2.60	2.60
L3	-2.60	2.60	-2.60	2.60
L4	-2.60	2.60	-2.60	2.60
NF	—	—	—	—
NS	-2.60	2.60	-2.58	2.58

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-20. Time history of z_e for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

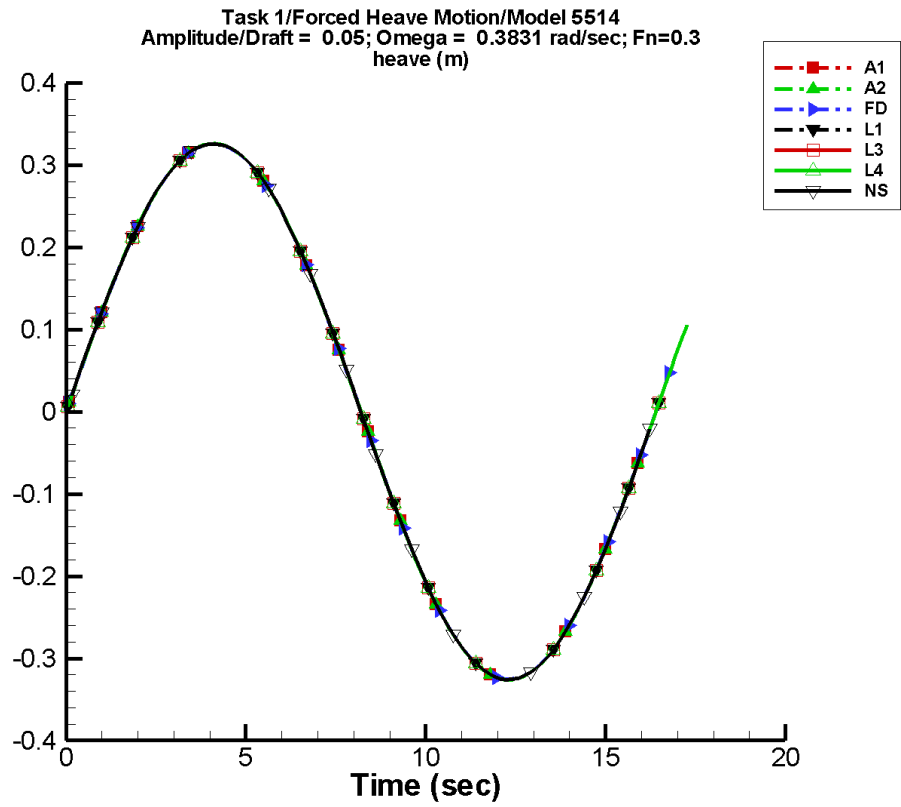
Table B–39. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-3.38E-06	5.21	0	5.44E-06	-23
A2	-3.38E-06	5.21	0	5.44E-06	-23
FD	-8.20E-08	5.21	0	8.13E-08	-12
L1	1.95E-05	5.21	0	6.23E-07	-46
L3	1.95E-05	5.21	0	6.23E-07	-46
L4	1.95E-05	5.21	0	6.23E-07	-46
NF	—	—	—	—	—
NS	-3.48E-07	5.21	0	4.66E-07	52

Table B–40. Minimum and maximum of z_e for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-5.21	5.21	-5.20	5.21
A2	-5.21	5.21	-5.20	5.21
FD	-5.21	5.21	-5.20	5.20
L1	-5.21	5.21	-5.21	5.21
L3	-5.21	5.21	-5.21	5.21
L4	-5.21	5.21	-5.21	5.21
NF	—	—	—	—
NS	-5.21	5.21	-5.18	5.18

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-21. Time history of z_e for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

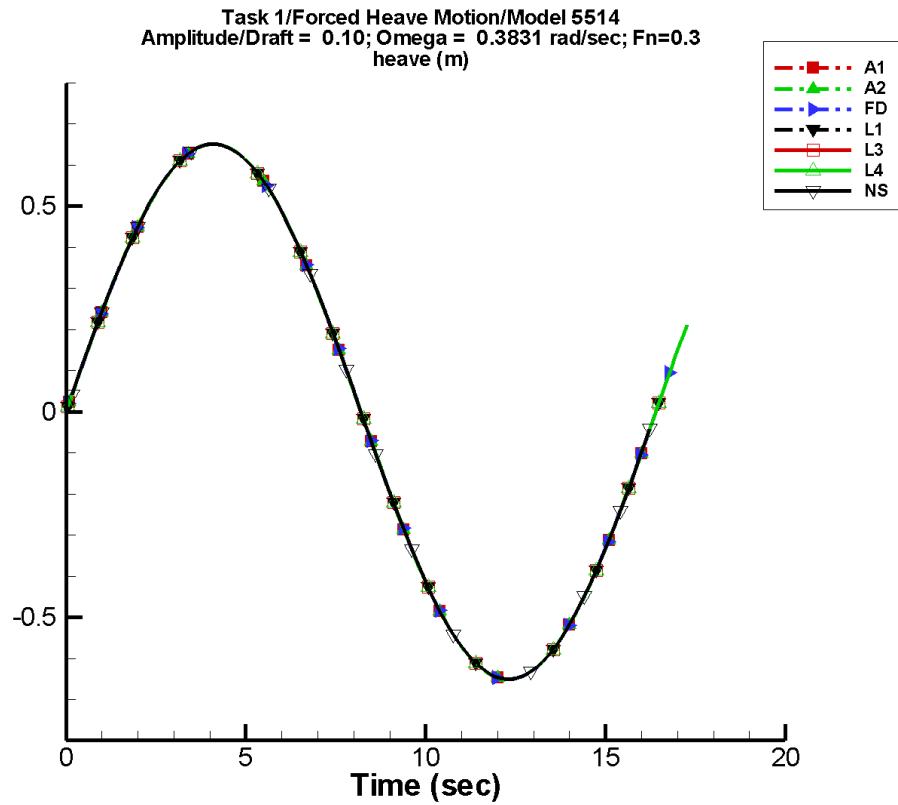
Table B–41. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $Fn = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	1.07E-08	0.326	0	3.45E-08	-35
A2	1.07E-08	0.326	0	3.45E-08	-35
FD	-3.63E-08	0.325	0	3.98E-08	-89
L1	1.17E-06	0.326	0	4.68E-08	-30
L3	1.17E-06	0.326	0	4.68E-08	-30
L4	1.17E-06	0.326	0	4.68E-08	-30
NF	—	—	—	—	—
NS	5.69E-11	0.326	0	2.62E-08	-146

Table B–42. Minimum and maximum of z_e for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $Fn = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-0.326	0.326	-0.325	0.327
A2	-0.326	0.326	-0.325	0.327
FD	-0.325	0.325	-0.324	0.324
L1	-0.326	0.326	-0.326	0.326
L3	-0.326	0.326	-0.326	0.326
L4	-0.326	0.326	-0.326	0.326
NF	—	—	—	—
NS	-0.326	0.326	-0.323	0.323

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-22. Time history of z_e for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

Table B-43. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	5.57E-08	0.651	0	2.39E-08	-175
A2	5.57E-08	0.651	0	2.39E-08	-175
FD	-6.28E-08	0.651	0	6.72E-08	-90
L1	2.20E-06	0.651	0	6.72E-08	78
L3	2.20E-06	0.651	0	6.72E-08	78
L4	2.20E-06	0.651	0	6.72E-08	78
NF	—	—	—	—	—
NS	-4.91E-08	0.651	0	7.48E-08	177

Table B-44. Minimum and maximum of z_e for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-0.651	0.651	-0.649	0.653
A2	-0.651	0.651	-0.649	0.653
FD	-0.651	0.651	-0.649	0.649
L1	-0.651	0.651	-0.650	0.650
L3	-0.651	0.651	-0.650	0.650
L4	-0.651	0.651	-0.650	0.650
NF	—	—	—	—
NS	-0.651	0.651	-0.644	0.644

TASK 1/HEAVE MOTION/MODEL 5514

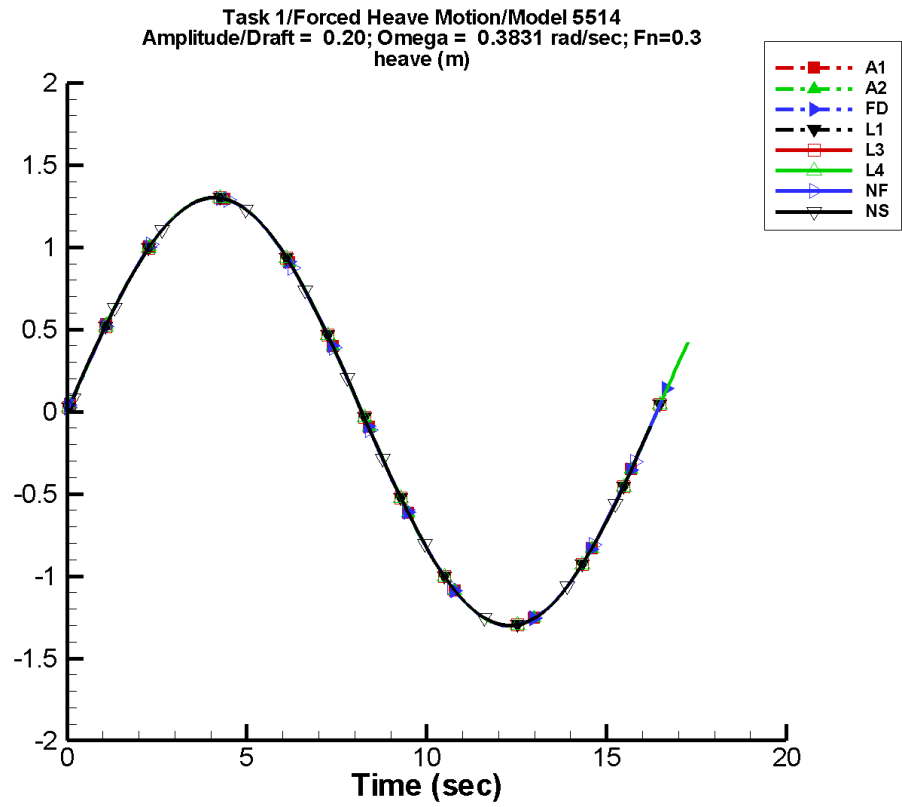


Figure B-23. Time history of z_e for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

Table B-45. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	5.08E-08	1.30	0	5.27E-08	98
A2	5.08E-08	1.30	0	5.27E-08	98
FD	-1.55E-07	1.30	0	9.91E-08	-105
L1	4.34E-06	1.30	0	2.58E-07	62
L3	4.34E-06	1.30	0	2.58E-07	62
L4	4.34E-06	1.30	0	2.58E-07	62
NF	-5.68E-03	1.30	12	1.48E-02	-126
NS	-8.38E-08	1.30	0	1.73E-07	-157

Table B-46. Minimum and maximum of z_e for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-1.30	1.30	-1.30	1.31
A2	-1.30	1.30	-1.30	1.31
FD	-1.30	1.30	-1.30	1.30
L1	-1.30	1.30	-1.30	1.30
L3	-1.30	1.30	-1.30	1.30
L4	-1.30	1.30	-1.30	1.30
NF	-1.30	1.30	-1.29	1.29
NS	-1.30	1.30	-1.29	1.29

TASK 1/HEAVE MOTION/MODEL 5514

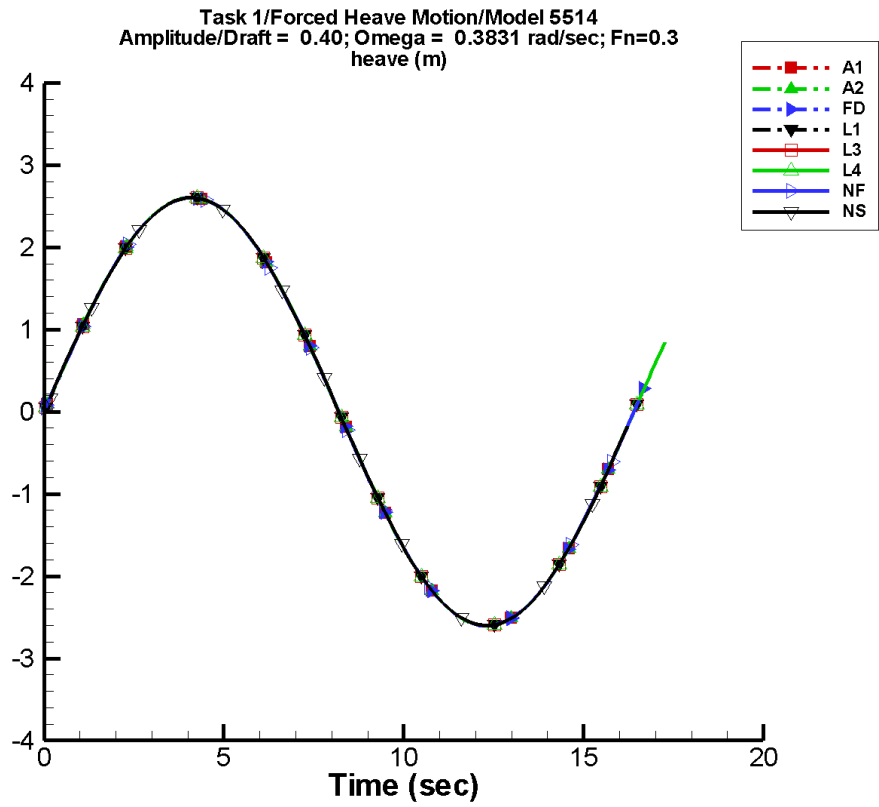


Figure B-24. Time history of z_e for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

Table B–47. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	2.82E-07	2.60	0	3.77E-08	49
A2	2.82E-07	2.60	0	3.77E-08	49
FD	-2.65E-07	2.60	0	3.31E-07	-93
L1	8.71E-06	2.60	0	2.53E-07	30
L3	8.71E-06	2.60	0	2.53E-07	30
L4	8.71E-06	2.60	0	2.53E-07	30
NF	-1.13E-02	2.59	12	2.94E-02	-127
NS	-2.53E-07	2.60	0	2.51E-07	179

Table B–48. Minimum and maximum of z_e for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-2.60	2.60	-2.59	2.61
A2	-2.60	2.60	-2.59	2.61
FD	-2.60	2.60	-2.59	2.59
L1	-2.60	2.60	-2.60	2.60
L3	-2.60	2.60	-2.60	2.60
L4	-2.60	2.60	-2.60	2.60
NF	-2.60	2.60	-2.59	2.59
NS	-2.60	2.60	-2.58	2.58

TASK 1/HEAVE MOTION/MODEL 5514

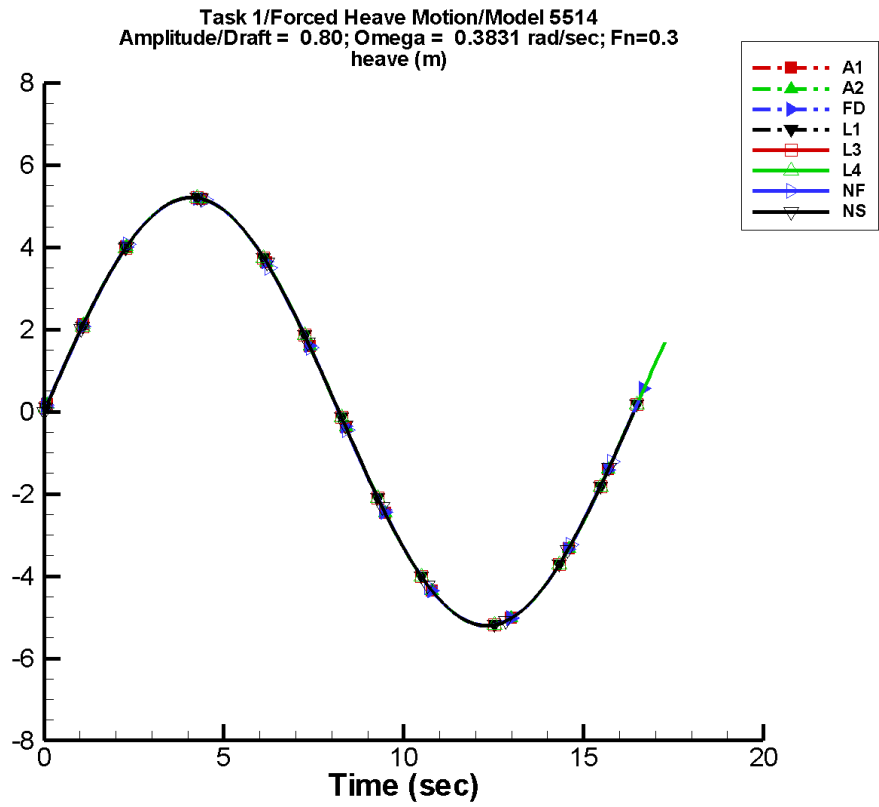


Figure B-25. Time history of z_e for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

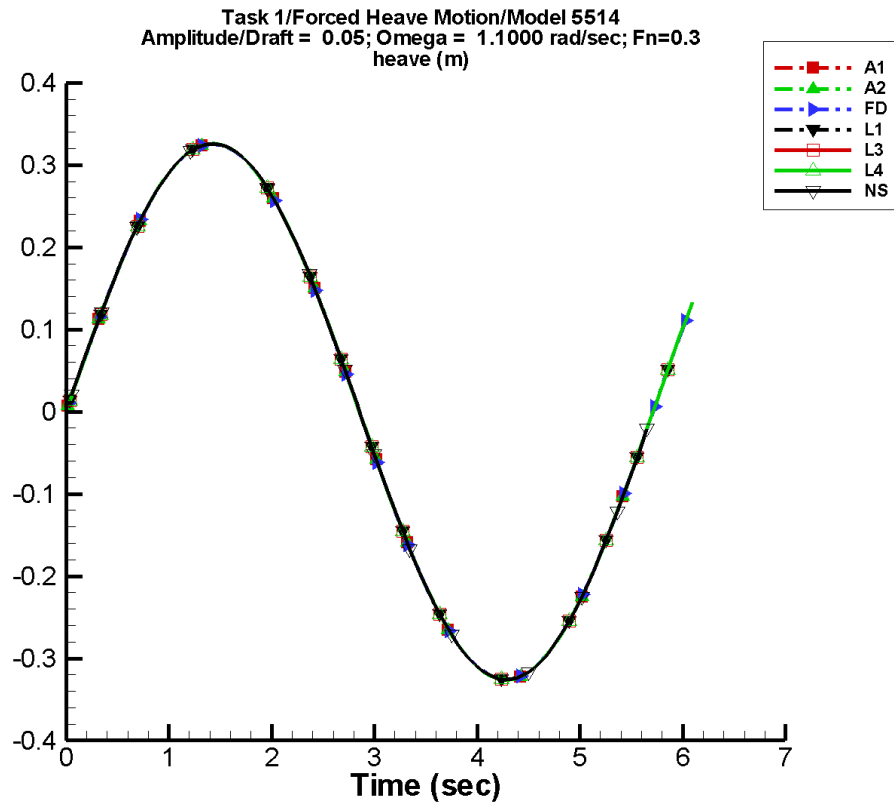
Table B–49. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	2.03E-07	5.21	0	2.11E-07	98
A2	2.03E-07	5.21	0	2.11E-07	98
FD	-5.89E-07	5.21	0	7.28E-07	-93
L1	1.71E-05	5.21	0	8.64E-07	118
L3	1.71E-05	5.21	0	8.64E-07	118
L4	1.71E-05	5.21	0	8.64E-07	118
NF	-2.26E-02	5.19	12	5.88E-02	-127
NS	-3.56E-07	5.21	0	4.37E-07	48

Table B–50. Minimum and maximum of z_e for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-5.21	5.21	-5.19	5.22
A2	-5.21	5.21	-5.19	5.22
FD	-5.21	5.21	-5.19	5.19
L1	-5.21	5.21	-5.20	5.20
L3	-5.21	5.21	-5.20	5.20
L4	-5.21	5.21	-5.20	5.20
NF	-5.21	5.21	-5.17	5.18
NS	-5.21	5.21	-5.18	5.18

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-26. Time history of z_e for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

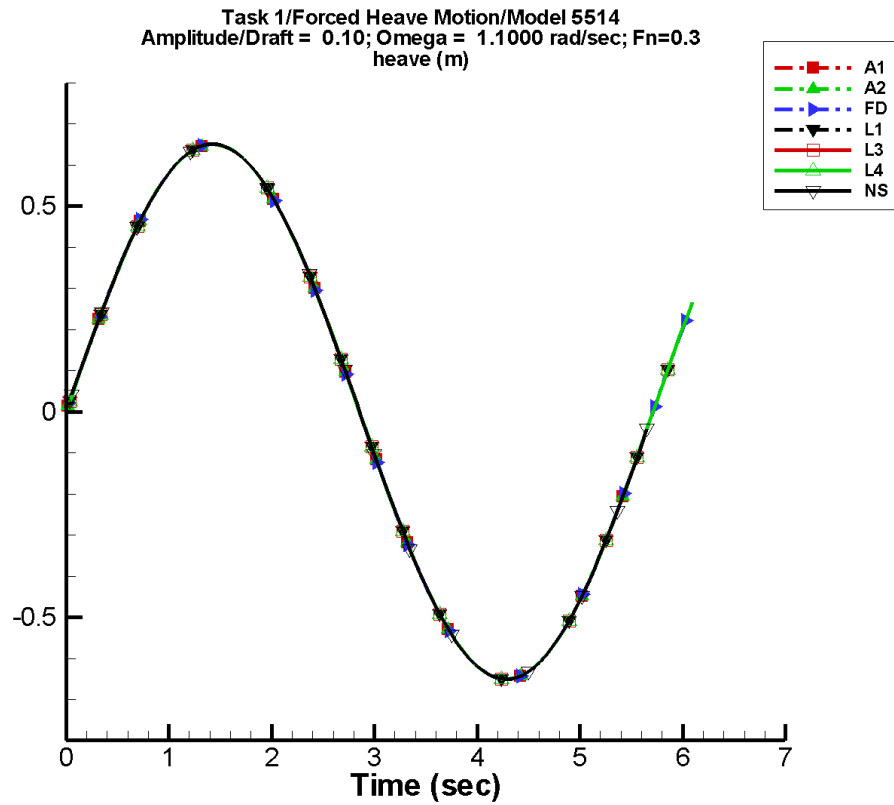
Table B–51. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-3.53E-07	0.326	0	5.46E-07	-11
A2	-3.53E-07	0.326	0	5.46E-07	-11
FD	-4.81E-08	0.326	0	7.75E-08	-8
L1	3.00E-07	0.326	0	3.84E-08	3
L3	3.00E-07	0.326	0	3.84E-08	3
L4	3.00E-07	0.326	0	3.84E-08	3
NF	—	—	—	—	—
NS	-1.02E-08	0.326	0	2.08E-08	-123

Table B–52. Minimum and maximum of z_e for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-0.326	0.326	-0.316	0.318
A2	-0.326	0.326	-0.316	0.318
FD	-0.325	0.325	-0.315	0.315
L1	-0.326	0.326	-0.322	0.322
L3	-0.326	0.326	-0.322	0.322
L4	-0.326	0.326	-0.322	0.322
NF	—	—	—	—
NS	-0.326	0.326	-0.323	0.323

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-27. Time history of z_e for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

Table B-53. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-7.02E-07	0.651	0	1.04E-06	-11
A2	-7.02E-07	0.651	0	1.04E-06	-11
FD	-1.42E-07	0.651	0	1.27E-07	4
L1	8.97E-07	0.651	0	1.18E-07	54
L3	8.97E-07	0.651	0	1.18E-07	54
L4	8.97E-07	0.651	0	1.18E-07	54
NF	—	—	—	—	—
NS	-1.30E-08	0.651	0	3.00E-08	-152

Table B-54. Minimum and maximum of z_e for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-0.650	0.651	-0.631	0.635
A2	-0.650	0.651	-0.631	0.635
FD	-0.650	0.651	-0.630	0.630
L1	-0.651	0.651	-0.644	0.644
L3	-0.651	0.651	-0.644	0.644
L4	-0.651	0.651	-0.644	0.644
NF	—	—	—	—
NS	-0.651	0.651	-0.644	0.644

TASK 1/HEAVE MOTION/MODEL 5514

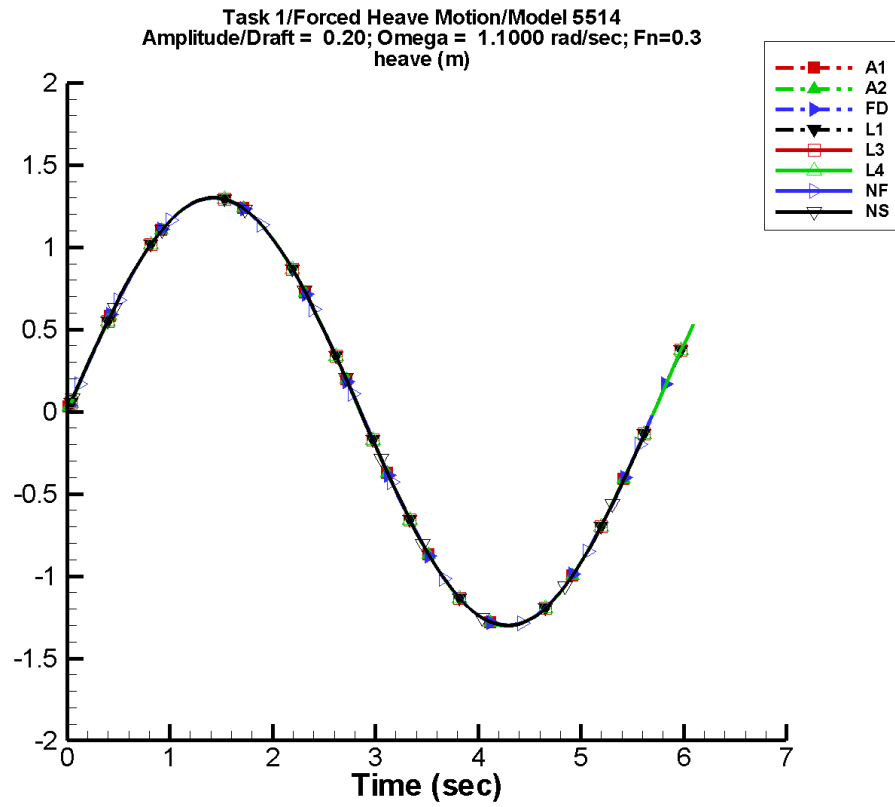


Figure B-28. Time history of z_e for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

Table B–55. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-1.29E-06	1.30	0	2.06E-06	-12
A2	-1.29E-06	1.30	0	2.06E-06	-12
FD	-2.38E-07	1.30	0	2.98E-07	5
L1	2.14E-06	1.30	0	1.88E-07	-45
L3	2.14E-06	1.30	0	1.88E-07	-45
L4	2.14E-06	1.30	0	1.88E-07	-45
NF	2.60E-04	1.30	4	3.00E-04	120
NS	-6.14E-08	1.30	0	4.63E-08	-145

Table B–56. Minimum and maximum of z_e for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-1.30	1.30	-1.26	1.27
A2	-1.30	1.30	-1.26	1.27
FD	-1.30	1.30	-1.26	1.26
L1	-1.30	1.30	-1.29	1.29
L3	-1.30	1.30	-1.29	1.29
L4	-1.30	1.30	-1.29	1.29
NF	-1.30	1.30	-1.24	1.24
NS	-1.30	1.30	-1.29	1.29

TASK 1/HEAVE MOTION/MODEL 5514

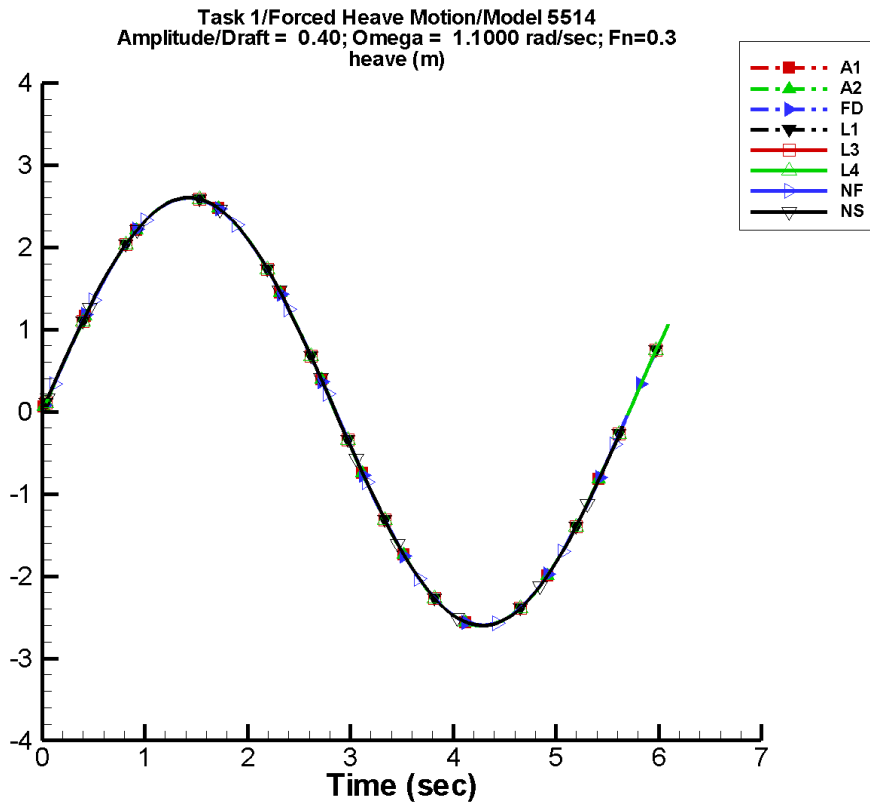


Figure B-29. Time history of z_e for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

Table B–57. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-2.76E-06	2.60	0	4.13E-06	-10
A2	-2.76E-06	2.60	0	4.13E-06	-10
FD	-4.86E-07	2.60	0	5.69E-07	7
L1	3.43E-06	2.60	0	8.37E-07	35
L3	3.43E-06	2.60	0	8.37E-07	35
L4	3.43E-06	2.60	0	8.37E-07	35
NF	-1.77E-04	2.60	-1	4.25E-05	-166
NS	-1.43E-07	2.60	0	8.72E-08	-147

Table B–58. Minimum and maximum of z_e for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-2.60	2.60	-2.52	2.54
A2	-2.60	2.60	-2.52	2.54
FD	-2.60	2.60	-2.52	2.52
L1	-2.60	2.60	-2.57	2.57
L3	-2.60	2.60	-2.57	2.57
L4	-2.60	2.60	-2.57	2.57
NF	-2.60	2.60	-2.47	2.48
NS	-2.60	2.60	-2.58	2.58

TASK 1/HEAVE MOTION/MODEL 5514

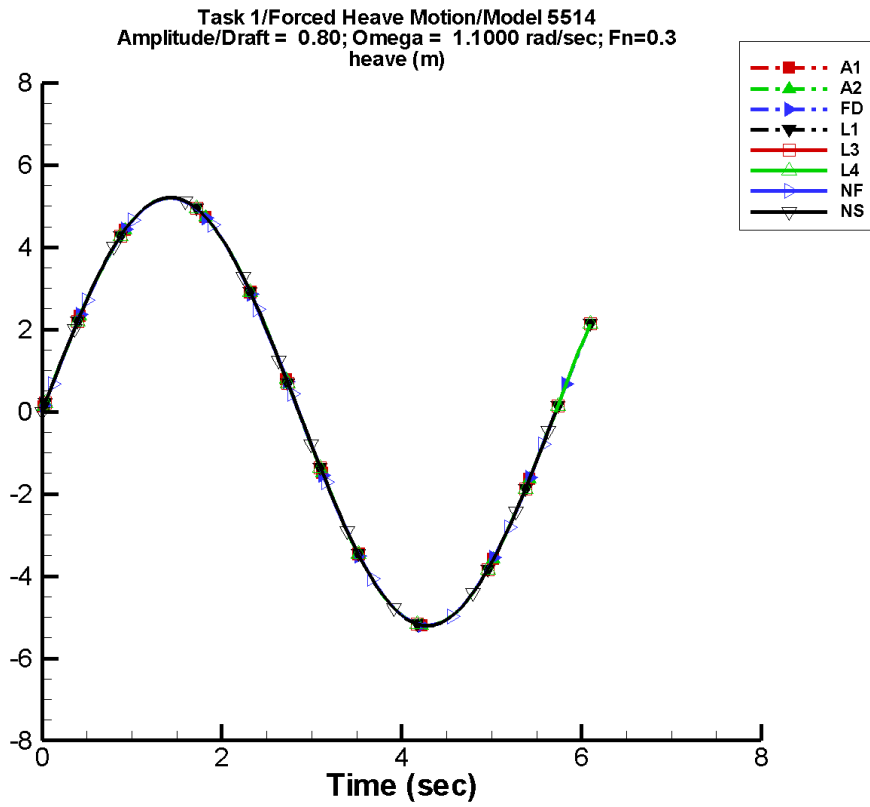


Figure B-30. Time history of z_e for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

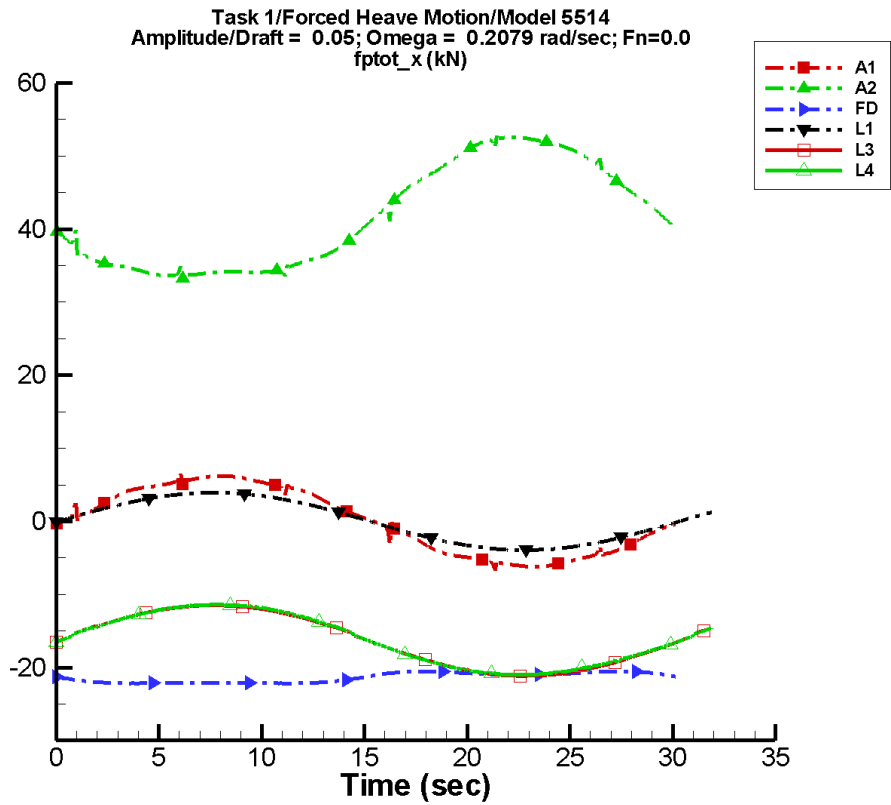
Table B–59. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of z_e for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (m)	a_1 (m)	Φ_1 (deg)	a_2 (m)	Φ_2 (deg)
A1	-5.43E-06	5.21	0	8.07E-06	-12
A2	-5.43E-06	5.21	0	8.07E-06	-12
FD	-8.83E-07	5.21	0	1.24E-06	2
L1	6.98E-06	5.21	0	1.51E-06	35
L3	6.98E-06	5.21	0	1.51E-06	35
L4	6.98E-06	5.21	0	1.51E-06	35
NF	1.04E-03	5.20	4	1.20E-03	120
NS	5.07E-07	5.21	0	1.40E-07	35

Table B–60. Minimum and maximum of z_e for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (m)	Maximum (m)	Minimum (m)	Maximum (m)
A1	-5.20	5.21	-5.04	5.08
A2	-5.20	5.21	-5.04	5.08
FD	-5.20	5.21	-5.04	5.04
L1	-5.21	5.21	-5.15	5.15
L3	-5.21	5.21	-5.15	5.15
L4	-5.21	5.21	-5.15	5.15
NF	-5.21	5.20	-4.95	4.96
NS	-5.21	5.21	-5.18	5.18

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-31. Time history of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

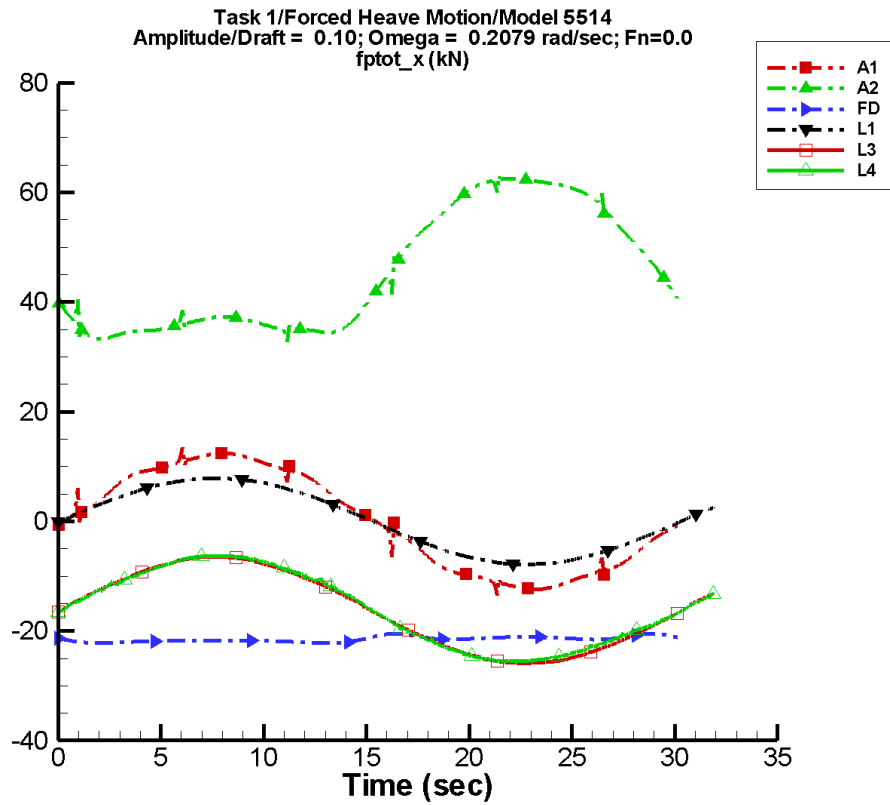
Table B–61. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-2.91E-03	6.08	-3	4.86E-03	147
A2	41.6	9.70	-178	1.62	-92
FD	-21.4	0.828	-177	0.120	74
L1	7.53E-03	3.93	-2	5.39E-03	84
L3	-16.3	4.87	-1	2.05E-02	77
L4	-16.2	4.85	-1	0.102	-163
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–62. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-6.74	6.73	-6.19	6.22
A2	33.2	52.8	33.6	52.5
FD	-22.2	-20.5	-22.2	-20.5
L1	-3.93	3.95	-3.92	3.94
L3	-21.1	-11.5	-21.1	-11.5
L4	-21.0	-11.4	-21.0	-11.4
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-32. Time history of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

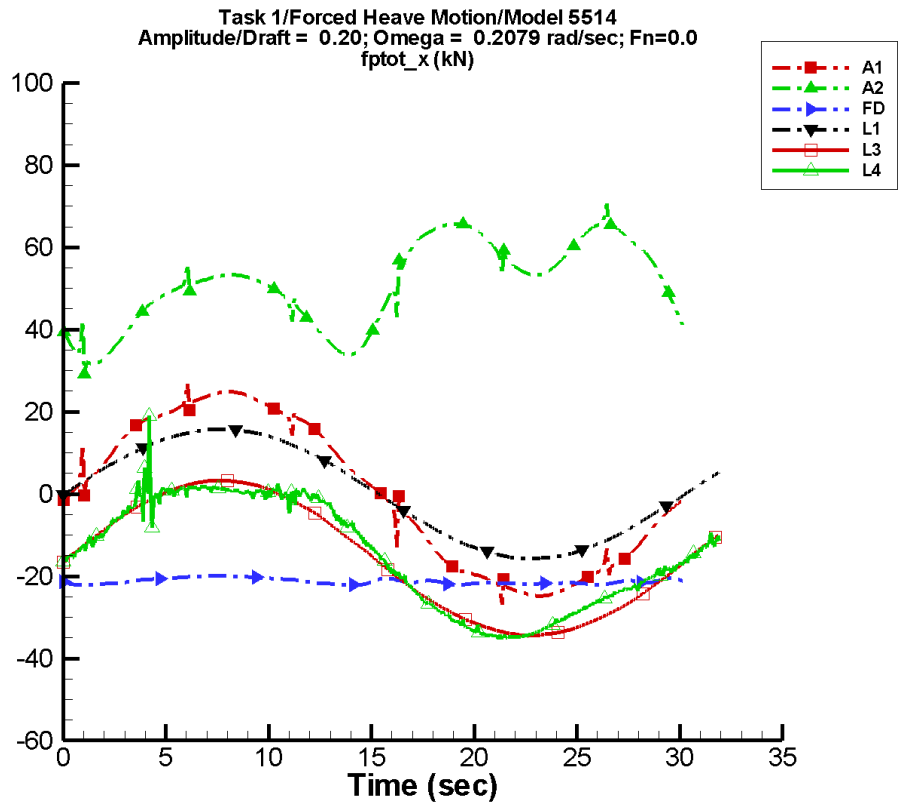
Table B–63. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-5.80E-03	12.1	-3	9.70E-03	147
A2	45.3	14.5	-179	5.13	-94
FD	-21.5	0.403	-173	2.66E-02	53
L1	3.00E-02	7.86	-2	2.57E-02	88
L3	-16.2	9.66	-1	3.52E-02	-89
L4	-16.0	9.53	-1	0.394	-162
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–64. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-13.5	13.4	-12.4	12.4
A2	32.7	63.2	33.1	62.5
FD	-22.2	-20.5	-22.2	-20.5
L1	-7.84	7.88	-7.83	7.88
L3	-25.9	-6.44	-25.8	-6.45
L4	-25.5	-6.29	-25.5	-6.31
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-33. Time history of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

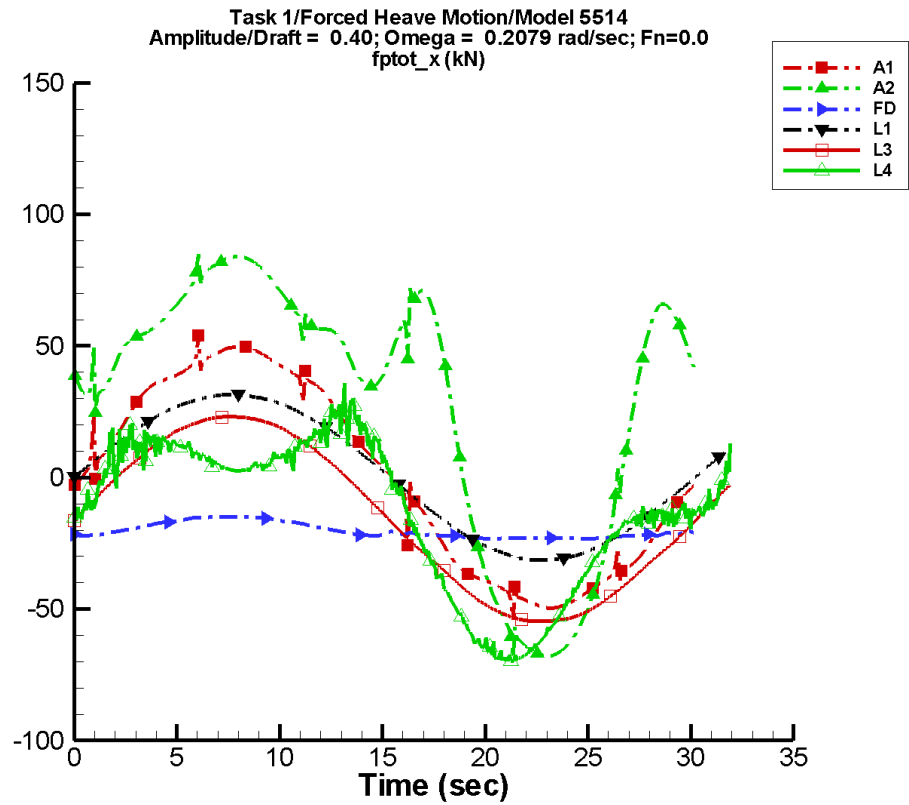
Table B–65. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-1.16E-02	24.3	-3	1.94E-02	147
A2	50.6	8.19	-169	7.70	-95
FD	-21.3	0.618	-7	0.390	-85
L1	0.120	15.7	-2	0.112	90
L3	-15.8	18.9	-1	0.263	-92
L4	-15.1	18.3	0	1.64	149
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–66. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-26.9	26.9	-24.7	24.8
A2	28.9	70.5	32.0	66.3
FD	-22.2	-20.0	-22.1	-20.0
L1	-15.7	15.8	-15.7	15.8
L3	-34.5	3.28	-34.5	3.27
L4	-35.2	19.0	-34.8	1.91
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-34. Time history of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

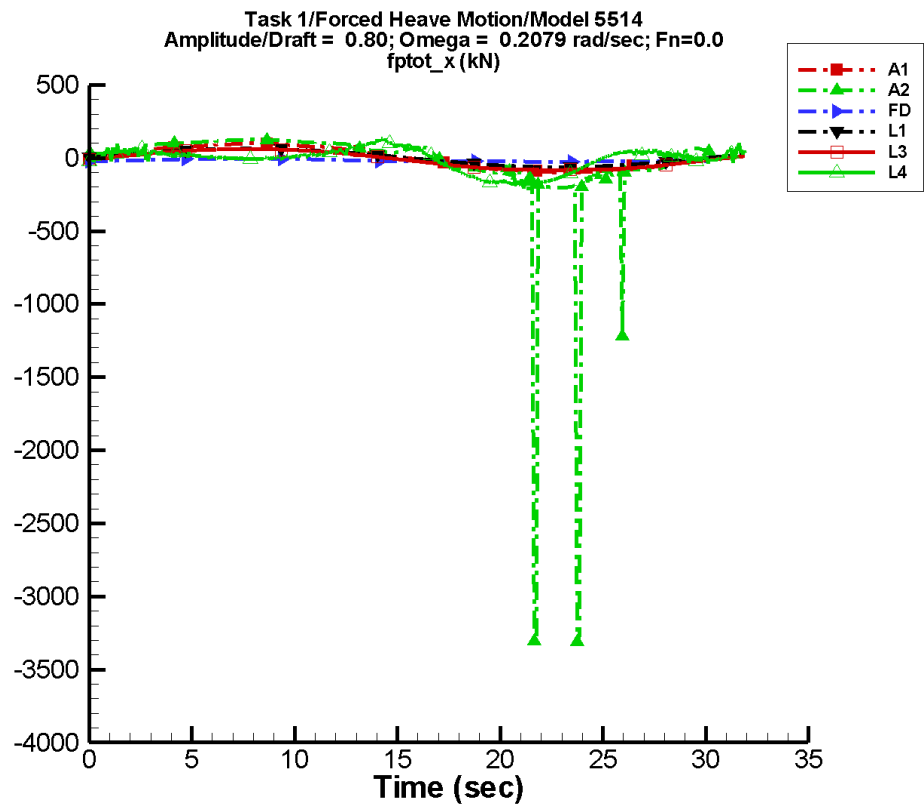
Table B–67. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-2.32E-02	48.5	-3	3.88E-02	147
A2	28.4	57.8	-6	20.1	92
FD	-20.4	3.62	-2	1.43	-87
L1	0.480	31.4	-2	0.464	90
L3	-15.4	38.8	-2	0.293	93
L4	-14.0	34.8	3	15.0	116
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–68. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-53.9	53.8	-49.5	49.7
A2	-68.4	86.7	-67.6	83.8
FD	-23.2	-15.0	-23.2	-15.0
L1	-31.4	31.5	-31.3	31.5
L3	-54.6	23.2	-54.6	23.1
L4	-69.8	49.7	-69.1	24.6
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-35. Time history of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

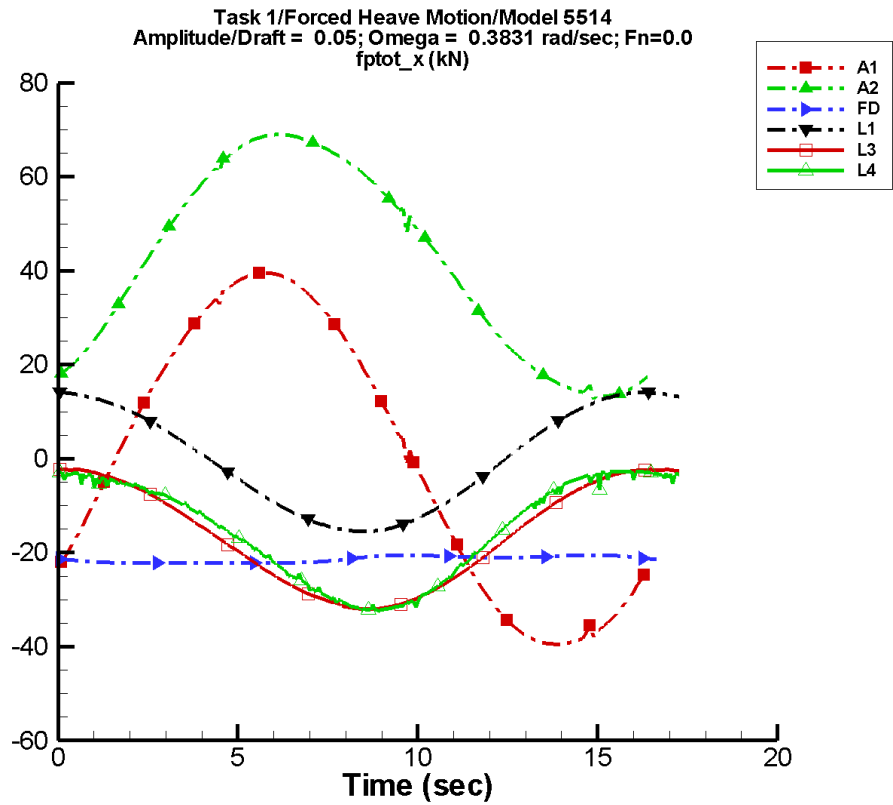
Table B–69. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-4.64E-02	97.1	-3	7.76E-02	147
A2	-41.0	228.	-5	103.	86
FD	-18.0	9.46	-1	3.28	-88
L1	1.92	62.9	-2	1.89	91
L3	-12.1	74.0	-1	0.239	-99
L4	-12.1	63.7	14	65.3	121
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–70. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-108.	108.	-98.9	99.3
A2	-3.31E+03	135.	-990.	126.
FD	-25.2	-5.40	-25.1	-5.42
L1	-62.7	63.1	-62.7	63.0
L3	-82.0	61.0	-81.9	60.9
L4	-183.	135.	-179.	121.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-36. Time history of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

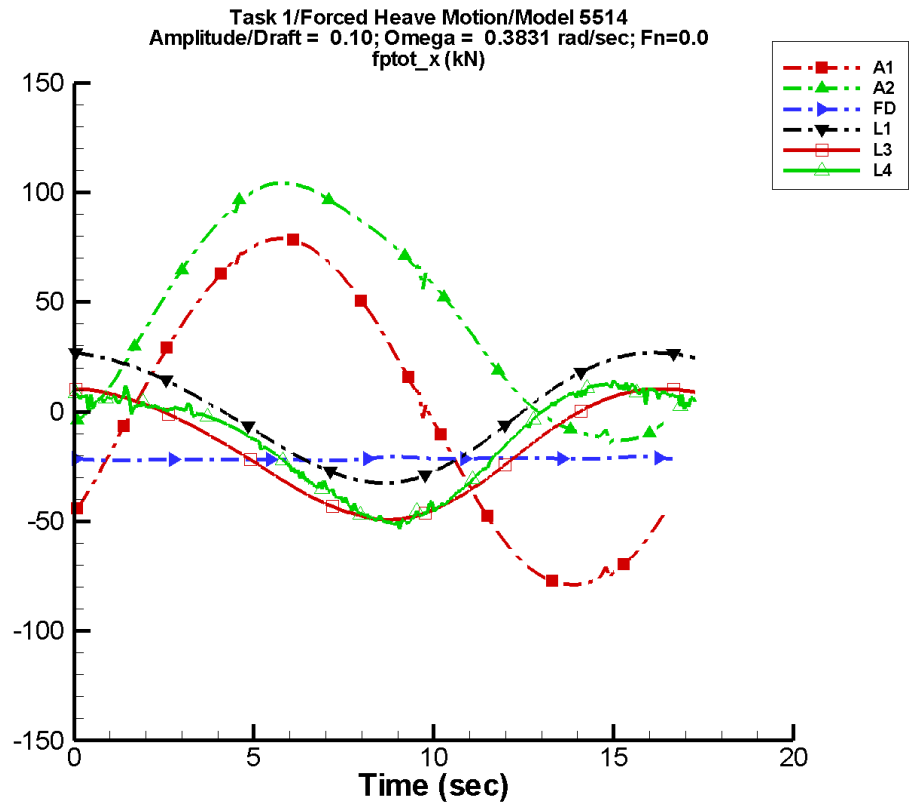
Table B-71. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-0.111	39.6	-36	0.200	21
A2	41.5	27.9	-54	1.54	-89
FD	-21.4	0.816	-177	0.139	79
L1	-0.446	14.7	87	0.541	-156
L3	-16.7	14.8	84	0.532	-156
L4	-15.6	14.4	83	2.38	-134
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-72. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-39.5	39.6	-39.4	39.4
A2	12.7	69.0	13.6	68.9
FD	-22.2	-20.5	-22.2	-20.5
L1	-15.5	14.1	-15.5	14.1
L3	-32.0	-2.21	-32.0	-2.30
L4	-32.4	-2.69	-32.0	-2.77
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-37. Time history of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

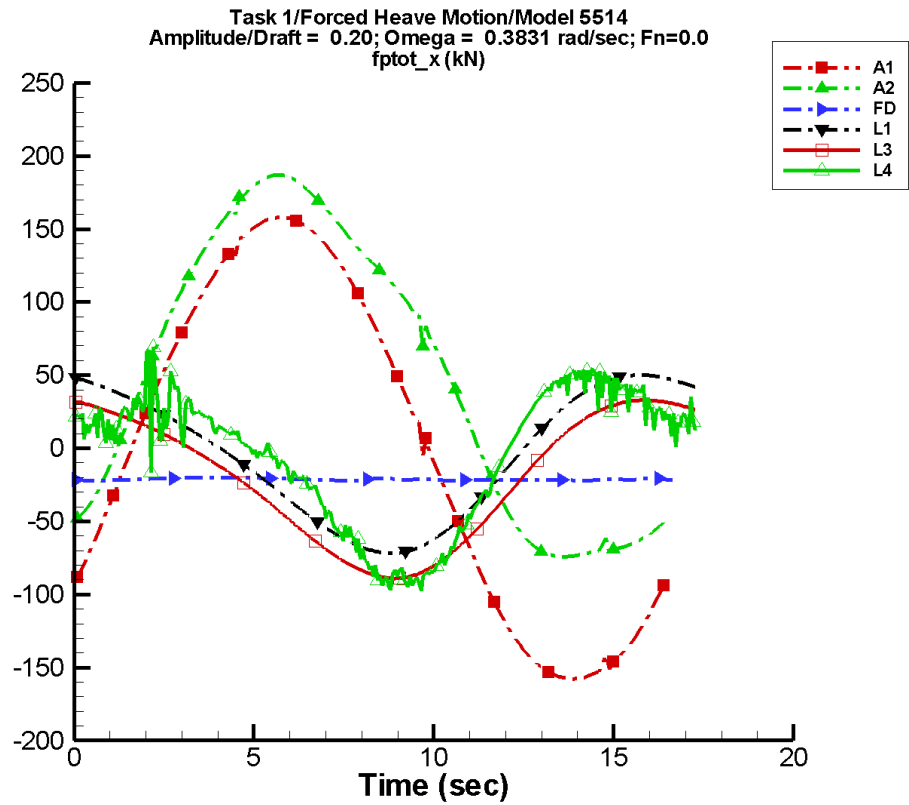
Table B-73. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-0.222	79.1	-36	0.399	21
A2	45.1	58.9	-50	4.98	-92
FD	-21.5	0.393	-171	4.01E-02	34
L1	-1.75	29.4	87	2.19	-155
L3	-18.0	29.5	84	2.21	-154
L4	-13.6	28.5	84	8.46	-134
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-74. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-78.9	79.0	-78.7	78.7
A2	-14.2	104.	-12.6	104.
FD	-22.2	-20.5	-22.1	-20.6
L1	-32.5	26.9	-32.5	26.9
L3	-49.2	10.4	-49.2	10.4
L4	-53.6	14.2	-50.9	12.3
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-38. Time history of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

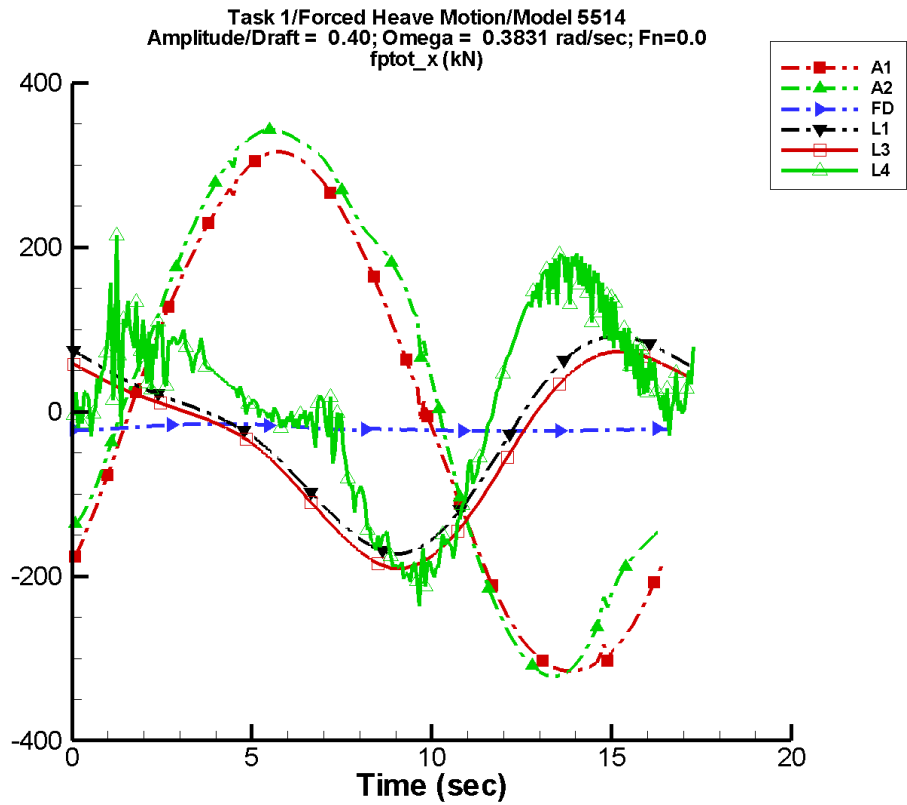
Table B-75. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-0.443	158.	-36	0.799	21
A2	46.7	132.	-47	10.1	-153
FD	-21.3	0.638	-7	0.373	-83
L1	-6.95	58.9	87	8.81	-155
L3	-22.9	59.0	84	8.98	-153
L4	-5.95	56.2	81	28.1	-132
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-76. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-158.	158.	-157.	157.
A2	-1.15E+03	187.	-89.4	186.
FD	-22.2	-20.0	-22.1	-20.0
L1	-71.9	50.1	-71.8	50.0
L3	-89.0	32.9	-88.9	32.8
L4	-97.8	69.0	-91.4	49.4
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-39. Time history of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

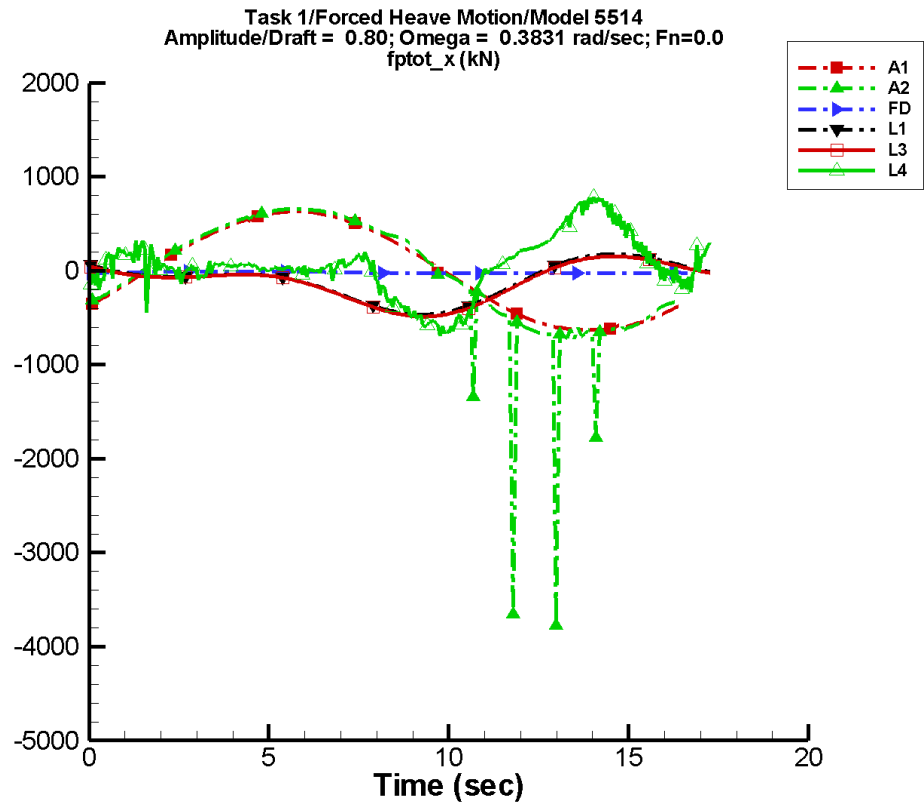
Table B-77. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-0.886	316.	-36	1.60	21
A2	27.6	326.	-35	20.6	86
FD	-20.4	3.64	-2	1.39	-87
L1	-27.7	118.	87	35.3	-155
L3	-43.6	118.	84	35.4	-154
L4	14.0	114.	84	77.8	-136
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-78. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-316.	316.	-315.	315.
A2	-322.	343.	-320.	341.
FD	-23.2	-15.0	-23.2	-15.1
L1	-173.	91.7	-172.	91.4
L3	-191.	73.1	-190.	72.9
L4	-236.	215.	-198.	174.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-40. Time history of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

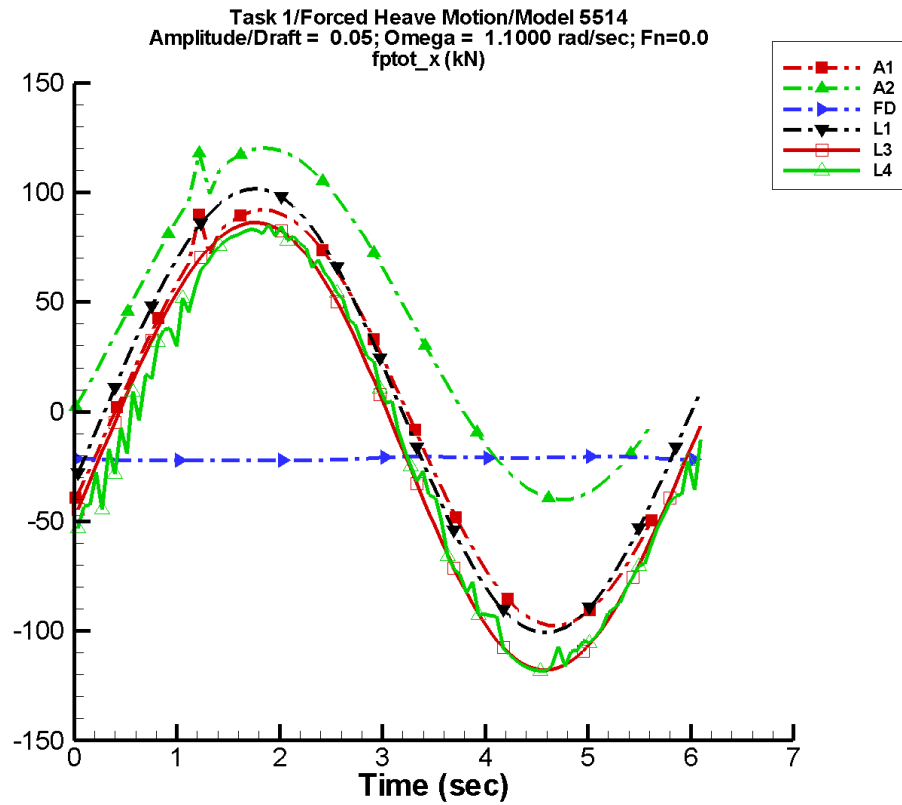
Table B-79. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-1.77	633.	-36	3.20	21
A2	-49.4	757.	-30	104.	86
FD	-18.0	9.48	-1	3.23	-89
L1	-111.	235.	87	142.	-155
L3	-125.	236.	85	143.	-154
L4	57.8	259.	103	269.	-153
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-80. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-631.	632.	-629.	629.
A2	-3.78E+03	660.	-1.09E+03	658.
FD	-25.2	-5.40	-25.0	-5.50
L1	-466.	177.	-465.	177.
L3	-488.	153.	-487.	152.
L4	-690.	789.	-619.	744.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-41. Time history of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

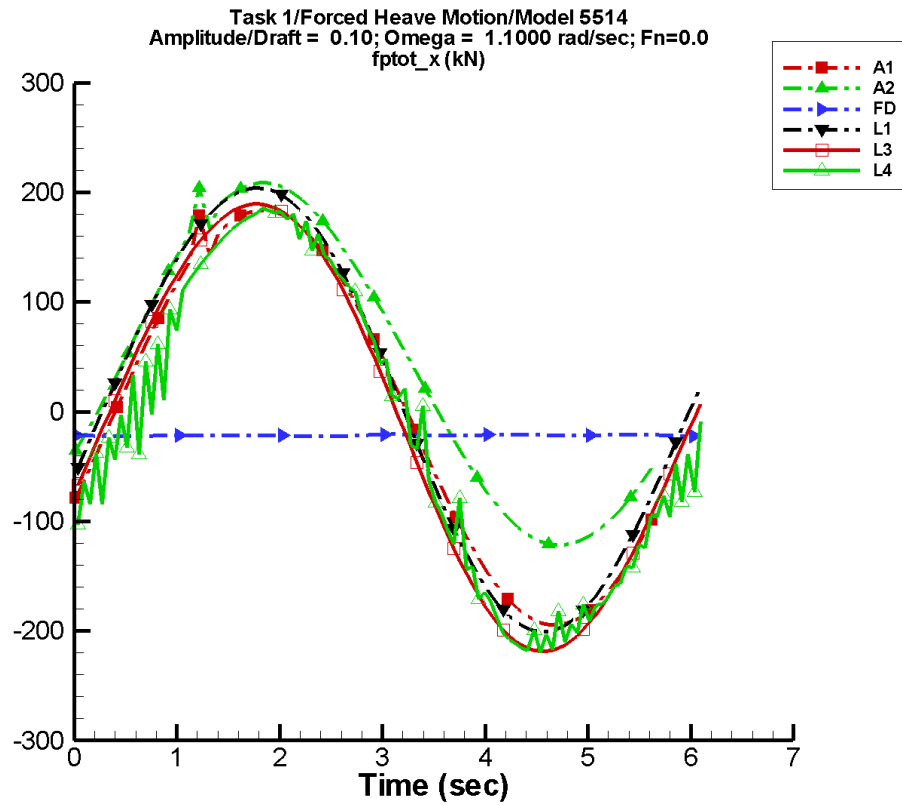
Table B–81. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-1.40	95.2	-24	1.56	30
A2	40.2	80.4	-28	1.23	-39
FD	-21.4	0.835	-179	7.95E-02	86
L1	1.32	101.	-20	1.40	95
L3	-15.0	102.	-20	1.42	95
L4	-16.4	99.0	-24	3.76	149
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–82. Minimum and maximum of of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-97.5	92.0	-94.4	89.2
A2	-40.2	120.	-37.6	118.
FD	-22.2	-20.5	-22.2	-20.6
L1	-101.	102.	-99.6	101.
L3	-118.	86.2	-117.	85.2
L4	-118.	85.1	-116.	82.4
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-42. Time history of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

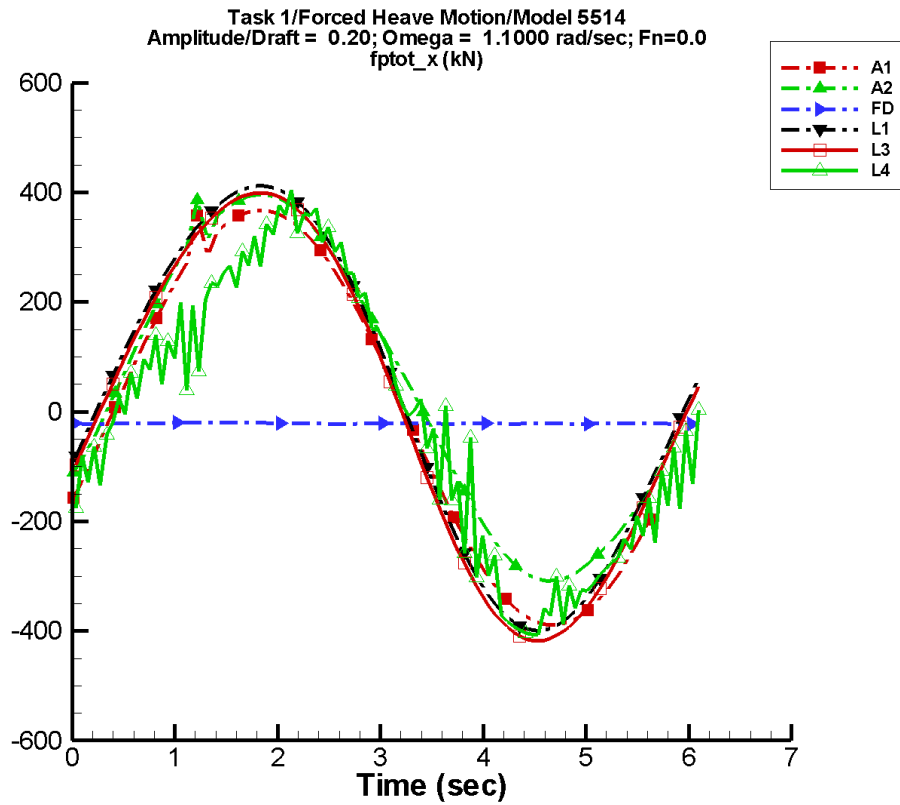
Table B–83. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-2.79	190.	-24	3.11	30
A2	42.5	165.	-27	3.67	-67
FD	-21.5	0.421	-175	2.40E-02	-42
L1	5.05	202.	-20	5.64	99
L3	-11.2	204.	-20	5.59	99
L4	-17.2	193.	-27	12.7	151
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–84. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-195.	184.	-188.	178.
A2	-122.	209.	-117.	203.
FD	-22.2	-20.5	-22.0	-21.0
L1	-201.	204.	-198.	202.
L3	-219.	190.	-216.	187.
L4	-220.	185.	-210.	181.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-43. Time history of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

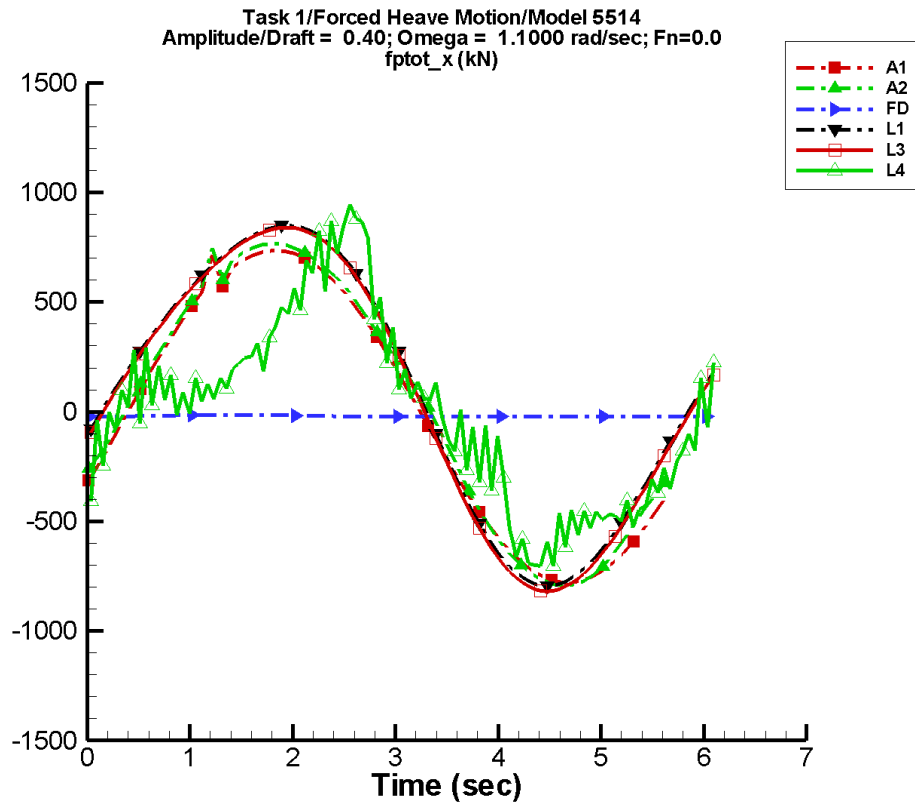
Table B–85. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-5.58	380.	-24	6.22	30
A2	45.1	350.	-26	5.42	-51
FD	-21.3	0.594	-5	0.429	-86
L1	19.8	404.	-20	22.7	101
L3	3.85	407.	-20	22.4	102
L4	-8.82	347.	-32	45.1	106
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–86. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-389.	367.	-377.	356.
A2	-309.	396.	-296.	385.
FD	-22.1	-20.0	-21.8	-20.1
L1	-400.	412.	-394.	408.
L3	-418.	399.	-413.	395.
L4	-407.	404.	-387.	362.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-44. Time history of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

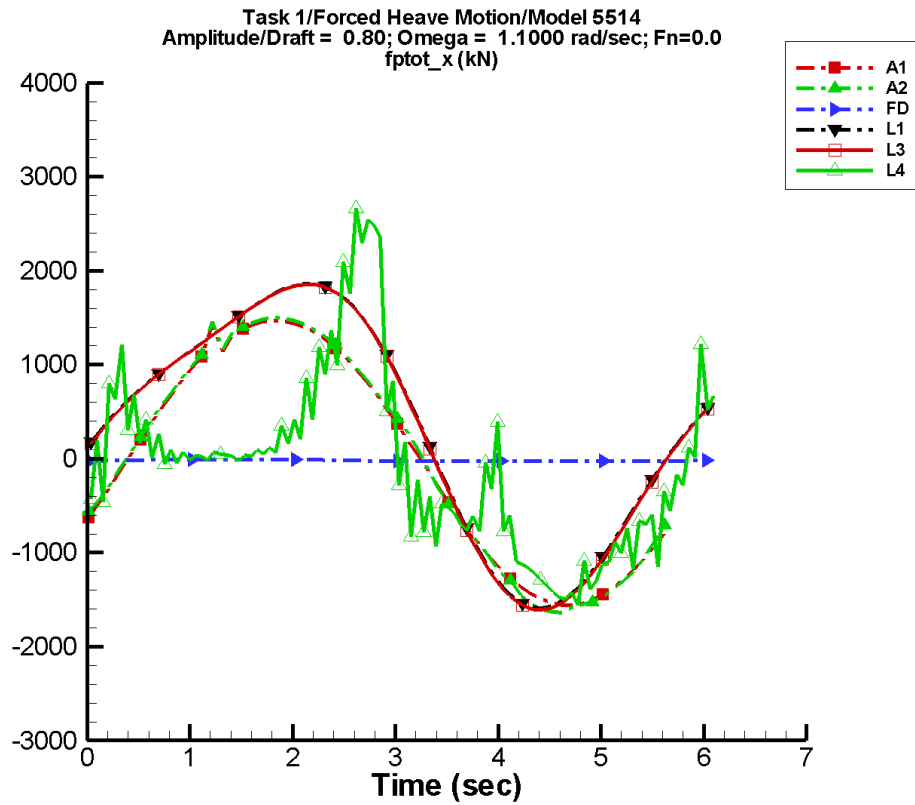
Table B–87. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-11.2	761.	-24	12.4	30
A2	17.1	770.	-24	30.2	63
FD	-20.4	3.59	-1	1.52	-89
L1	78.2	807.	-20	91.2	102
L3	62.3	815.	-20	91.0	102
L4	13.6	551.	-40	204.	98
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–88. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-779.	735.	-754.	713.
A2	-793.	767.	-764.	744.
FD	-23.2	-15.0	-23.1	-15.2
L1	-795.	849.	-783.	841.
L3	-819.	839.	-807.	831.
L4	-705.	1.00E+03	-637.	809.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-45. Time history of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

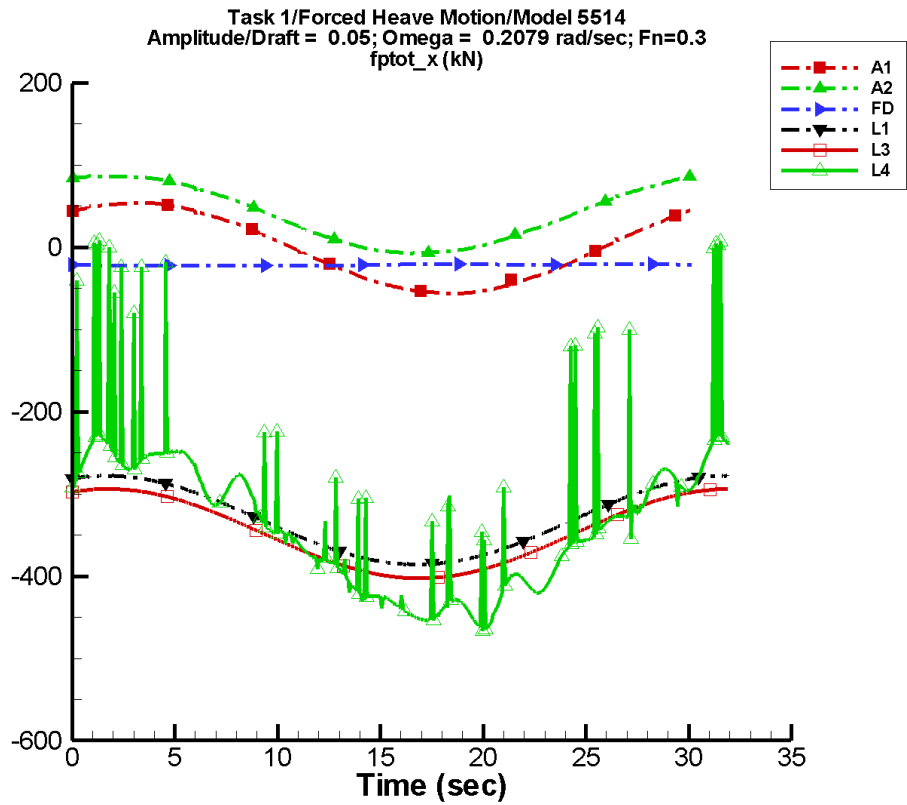
Table B–89. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-22.3	1.52E+03	-24	24.9	30
A2	-13.5	1.56E+03	-24	51.4	57
FD	-18.0	9.45	0	3.43	-90
L1	311.	1.61E+03	-20	366.	103
L3	297.	1.63E+03	-20	364.	103
L4	-39.2	991.	-40	718.	85
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–90. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-1.56E+03	1.47E+03	-1.51E+03	1.43E+03
A2	-1.64E+03	1.50E+03	-1.57E+03	1.45E+03
FD	-25.0	-5.40	-24.9	-5.92
L1	-1.59E+03	1.86E+03	-1.56E+03	1.84E+03
L3	-1.61E+03	1.86E+03	-1.58E+03	1.84E+03
L4	-1.56E+03	2.77E+03	-1.42E+03	2.11E+03
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-46. Time history of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

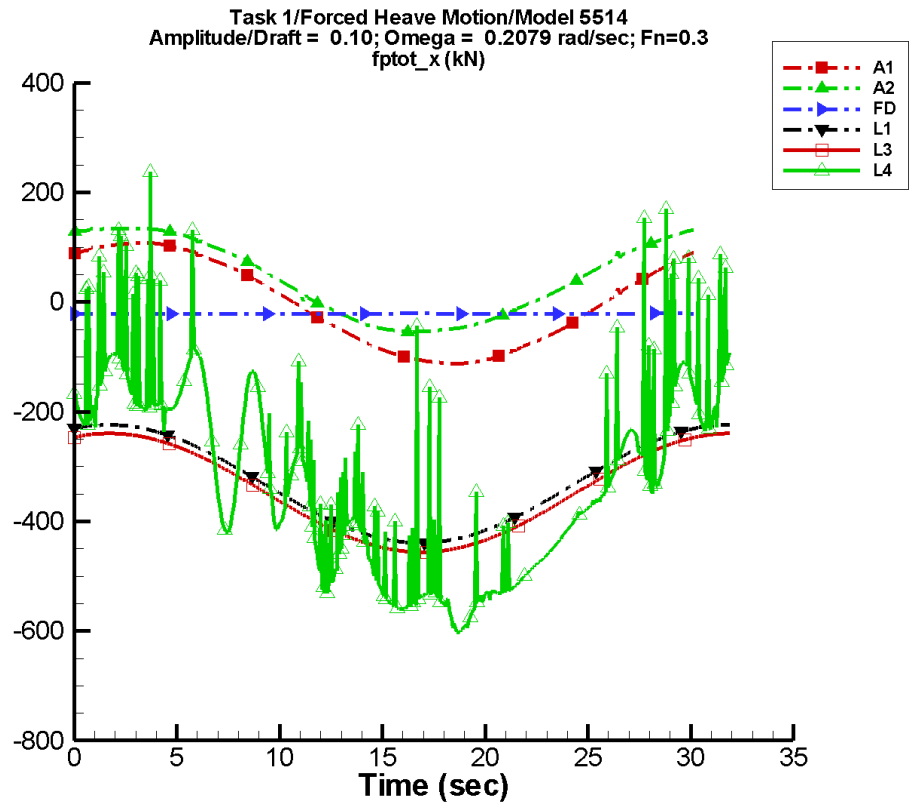
Table B–91. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-0.172	56.1	53	0.507	53
A2	41.5	48.4	68	1.22	-81
FD	-21.4	0.828	-177	0.121	74
L1	-332.	53.9	70	0.103	113
L3	-348.	54.2	69	0.114	108
L4	-339.	102.	59	5.25	79
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–92. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-56.1	58.5	-56.1	58.4
A2	-7.87	90.3	-7.13	89.9
FD	-22.2	-20.5	-22.2	-20.5
L1	-386.	-278.	-386.	-278.
L3	-403.	-294.	-403.	-294.
L4	-467.	8.23	-454.	-129.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-47. Time history of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

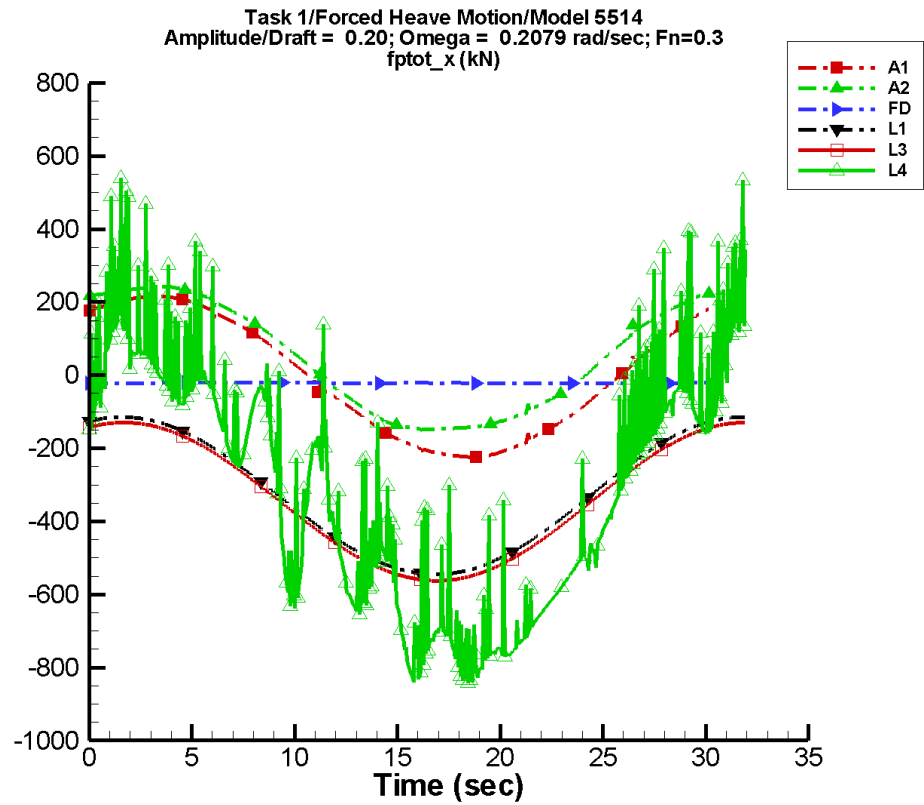
Table B-93. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-0.344	112.	53	1.01	53
A2	45.0	98.5	65	4.32	-86
FD	-21.5	0.403	-173	2.67E-02	53
L1	-332.	108.	70	0.407	113
L3	-348.	108.	69	0.351	117
L4	-331.	210.	55	24.9	97
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-94. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-112.	117.	-112.	117.
A2	-55.6	143.	-54.1	143.
FD	-22.2	-20.5	-22.2	-20.5
L1	-439.	-224.	-439.	-224.
L3	-456.	-240.	-456.	-240.
L4	-603.	237.	-598.	3.12
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-48. Time history of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

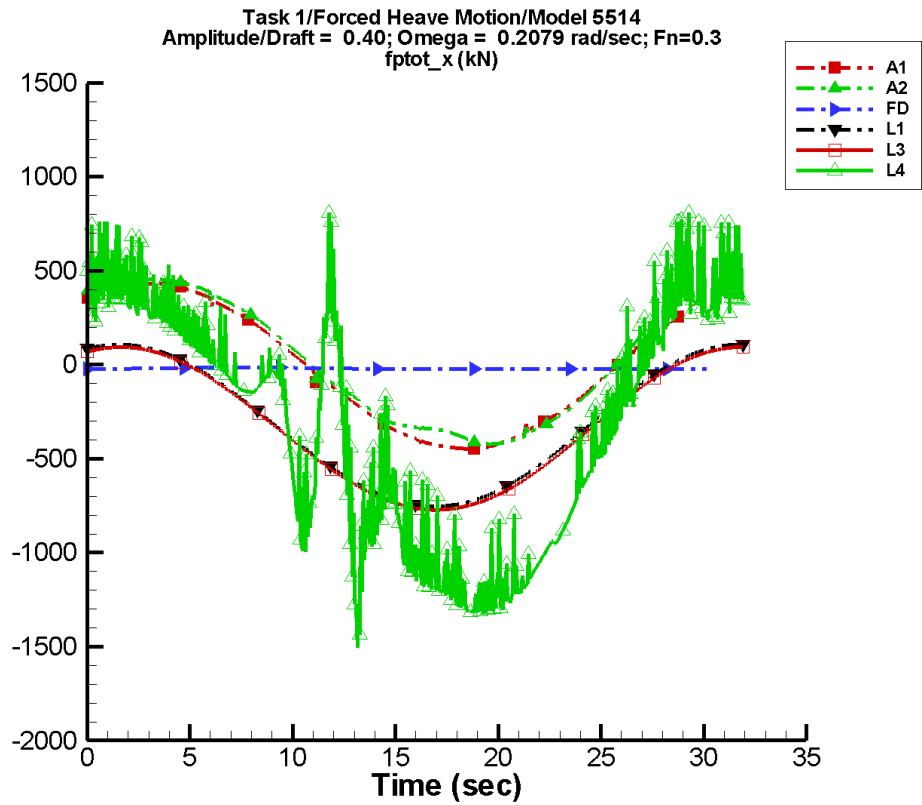
Table B–95. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-0.688	224.	53	2.03	53
A2	50.0	206.	60	6.08	-84
FD	-21.3	0.618	-7	0.390	-85
L1	-330.	215.	70	1.63	113
L3	-347.	216.	69	1.30	120
L4	-321.	414.	57	65.6	109
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–96. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-224.	233.	-224.	233.
A2	-151.	260.	-148.	260.
FD	-22.2	-20.0	-22.1	-20.0
L1	-545.	-114.	-545.	-115.
L3	-563.	-130.	-563.	-130.
L4	-841.	540.	-797.	274.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-49. Time history of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

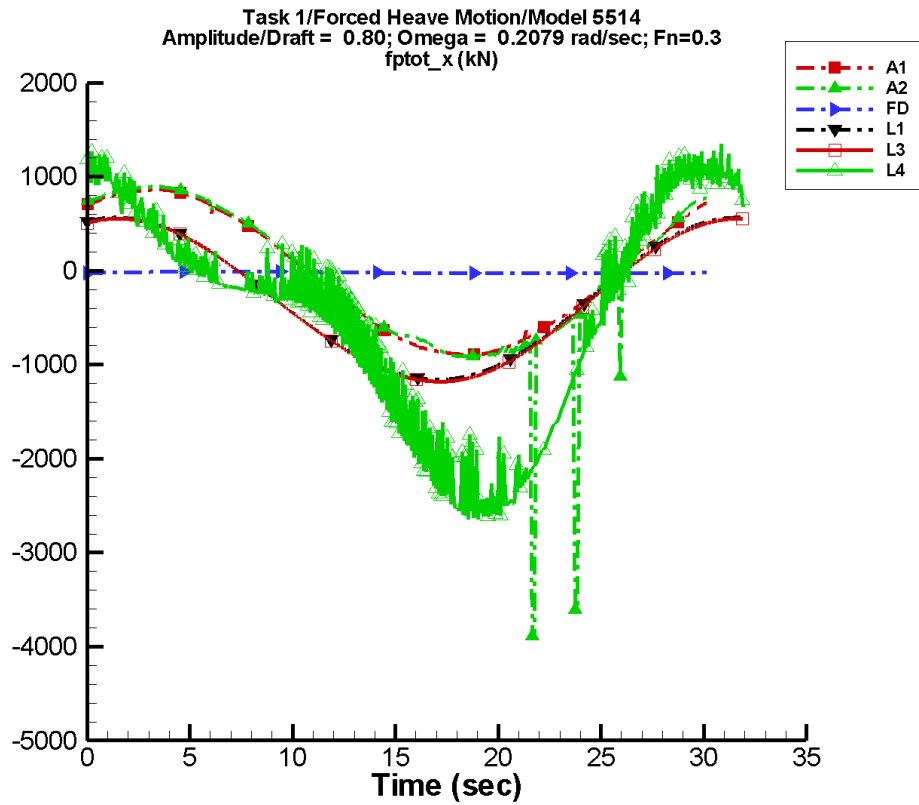
Table B–97. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-1.38	448.	53	4.05	53
A2	27.1	451.	51	23.4	86
FD	-20.4	3.62	-2	1.43	-87
L1	-326.	430.	70	6.51	113
L3	-342.	433.	69	6.36	114
L4	-337.	774.	56	222.	127
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–98. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-448.	467.	-448.	466.
A2	-422.	488.	-421.	488.
FD	-23.2	-15.0	-23.2	-15.0
L1	-754.	108.	-753.	107.
L3	-772.	93.7	-772.	93.5
L4	-1.50E+03	810.	-1.30E+03	540.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-50. Time history of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

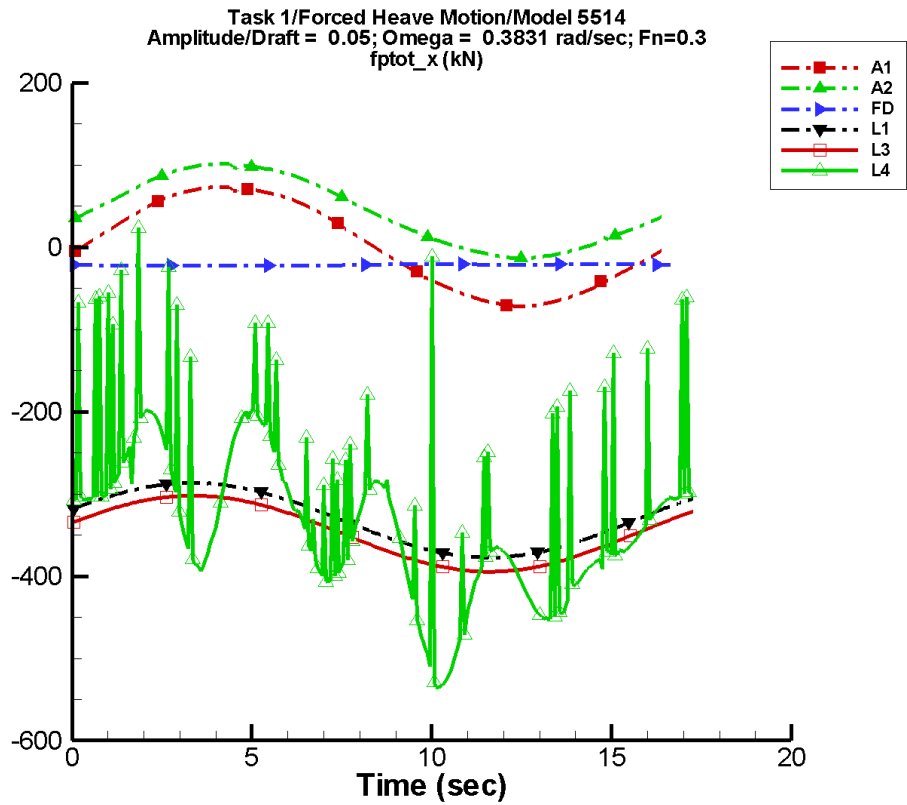
Table B–99. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-2.75	896.	53	8.10	53
A2	-43.7	970.	46	110.	84
FD	-18.0	9.46	-1	3.28	-88
L1	-308.	861.	70	26.1	113
L3	-322.	865.	69	24.1	115
L4	-523.	1.44E+03	57	654.	144
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–100. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-897.	934.	-896.	933.
A2	-3.89E+03	964.	-1.57E+03	963.
FD	-25.2	-5.40	-25.1	-5.42
L1	-1.16E+03	566.	-1.16E+03	566.
L3	-1.18E+03	554.	-1.18E+03	554.
L4	-2.65E+03	1.35E+03	-2.53E+03	1.19E+03
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-51. Time history of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

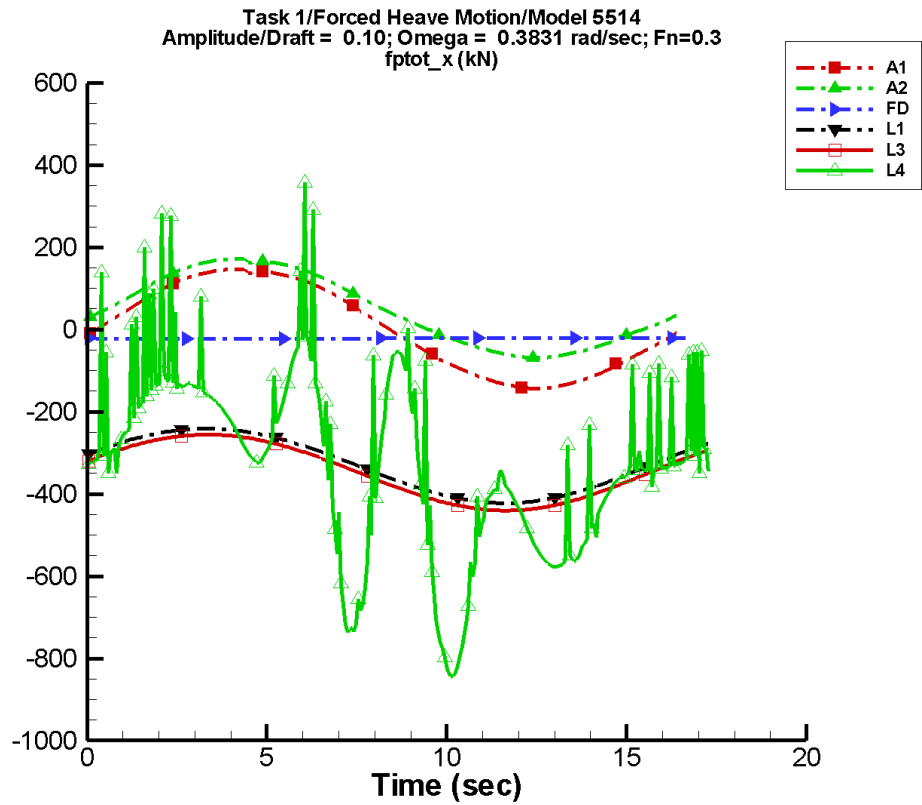
Table B–101. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	1.52	72.0	-4	0.422	163
A2	43.2	56.2	-5	1.59	-111
FD	-21.4	0.816	-177	0.139	79
L1	-332.	45.3	16	0.326	78
L3	-348.	46.3	15	0.338	77
L4	-326.	93.1	21	14.6	71
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–102. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-71.8	73.5	-71.5	72.7
A2	-13.3	101.	-13.0	101.
FD	-22.2	-20.5	-22.2	-20.5
L1	-377.	-286.	-377.	-287.
L3	-395.	-302.	-394.	-302.
L4	-536.	23.6	-521.	-174.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-52. Time history of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

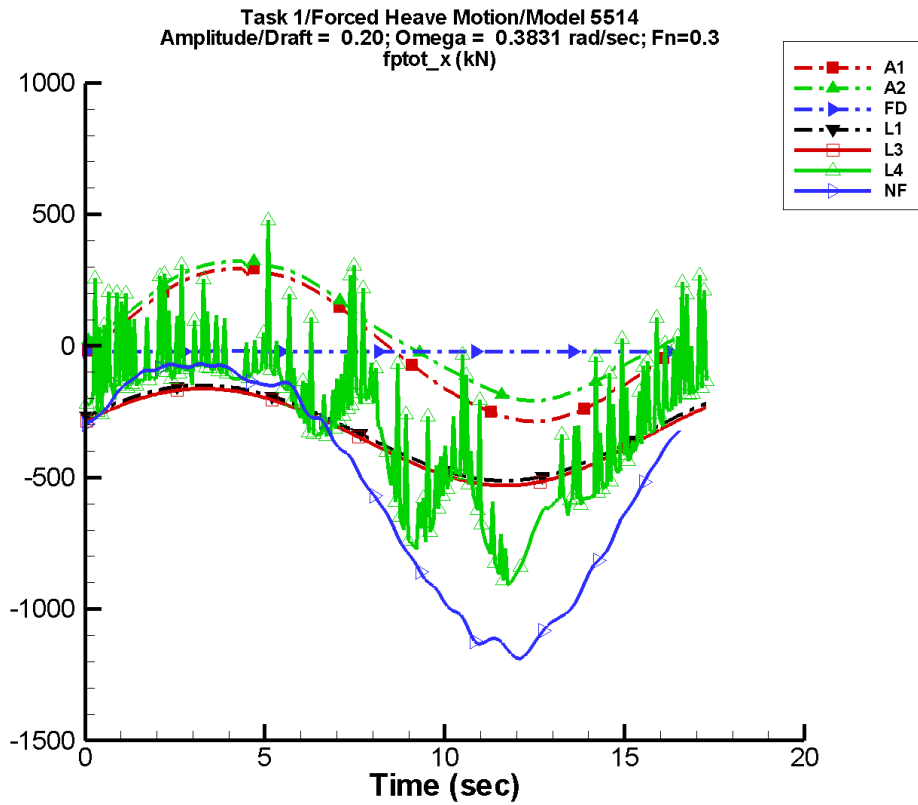
Table B–103. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	3.04	144.	-4	0.844	163
A2	48.4	117.	-5	5.04	-105
FD	-21.5	0.392	-171	4.02E-02	34
L1	-331.	90.5	16	1.31	78
L3	-347.	92.3	15	1.27	78
L4	-329.	204.	20	22.5	37
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–104. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-143.	147.	-143.	145.
A2	-68.9	172.	-68.2	170.
FD	-22.2	-20.5	-22.1	-20.6
L1	-422.	-241.	-422.	-241.
L3	-440.	-256.	-440.	-256.
L4	-844.	358.	-828.	56.8
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NSHIPMO.

Figure B-53. Time history of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

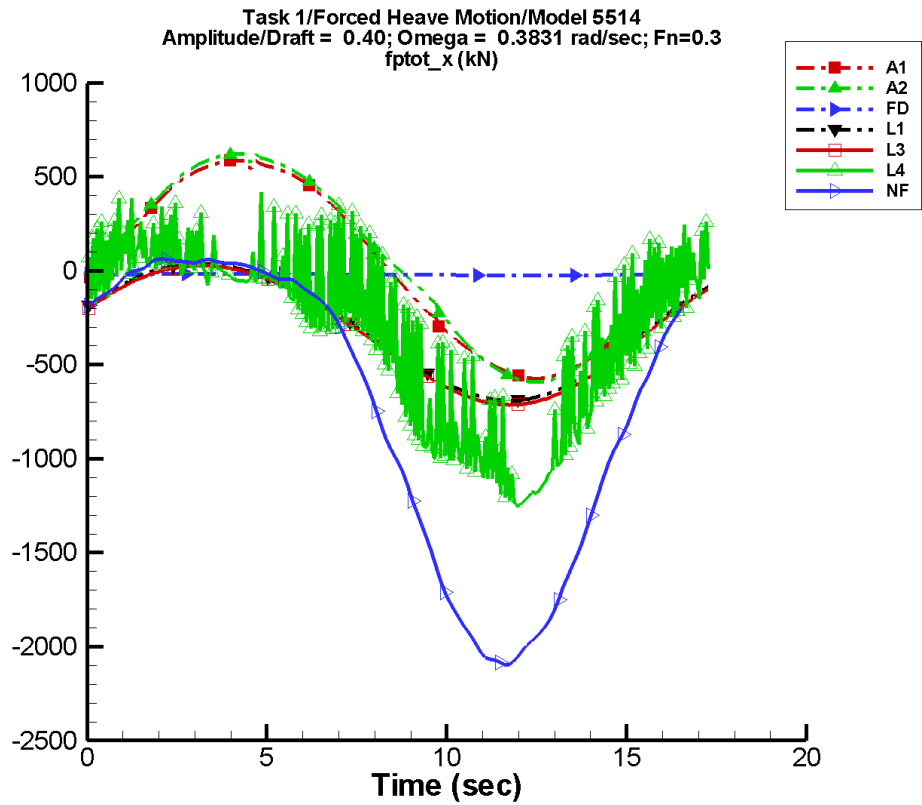
Table B–105. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	6.08	288.	-4	1.69	163
A2	53.3	249.	-6	12.2	-159
FD	-21.3	0.638	-7	0.373	-83
L1	-327.	181.	16	5.28	78
L3	-343.	184.	15	4.90	77
L4	-301.	331.	17	76.1	96
NF	-502.	526.	23	63.6	128
NS	—	—	—	—	—

Table B–106. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-287.	294.	-285.	290.
A2	-975.	322.	-207.	319.
FD	-22.2	-20.0	-22.1	-20.0
L1	-512.	-149.	-512.	-150.
L3	-531.	-162.	-530.	-162.
L4	-907.	479.	-868.	14.8
NF	-1.19E+03	-9.48	-1.16E+03	-12.7
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NSHIPMO.

Figure B-54. Time history of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

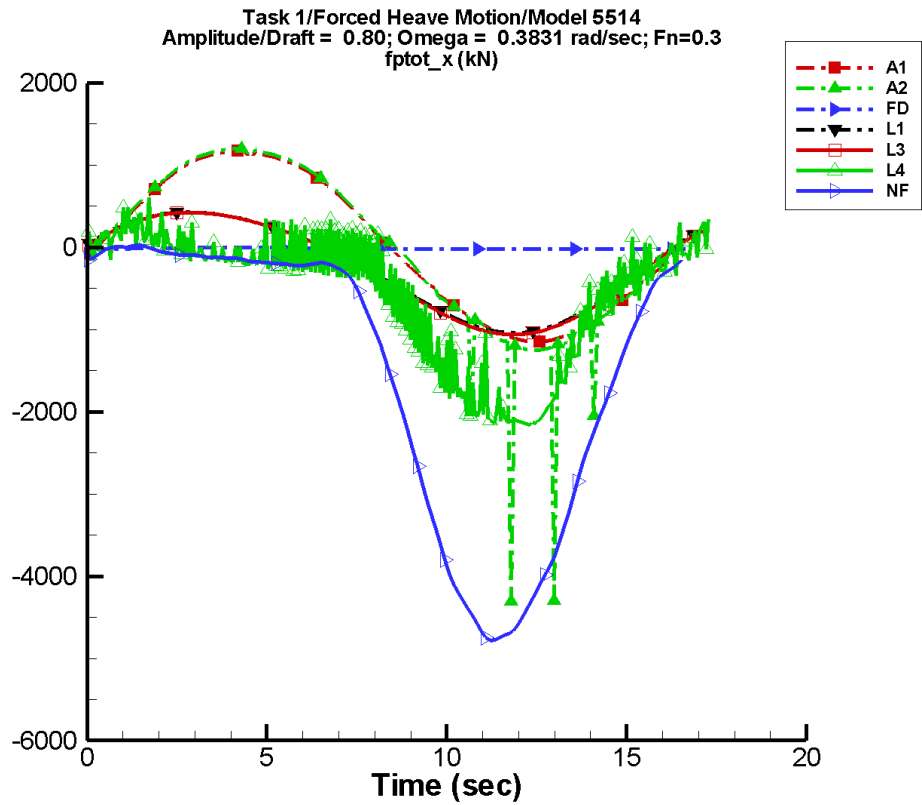
Table B–107. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	12.2	575.	-4	3.37	163
A2	40.7	584.	-4	21.2	99
FD	-20.4	3.64	-2	1.39	-87
L1	-311.	362.	16	21.1	78
L3	-327.	369.	15	21.0	78
L4	-325.	561.	16	208.	106
NF	-699.	1.02E+03	25	258.	144
NS	—	—	—	—	—

Table B–108. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-574.	587.	-571.	581.
A2	-592.	622.	-589.	615.
FD	-23.2	-15.0	-23.2	-15.1
L1	-690.	37.1	-689.	36.4
L3	-713.	28.0	-713.	27.5
L4	-1.25E+03	435.	-1.22E+03	206.
NF	-2.10E+03	108.	-2.07E+03	99.9
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NSHIPMO.

Figure B-55. Time history of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

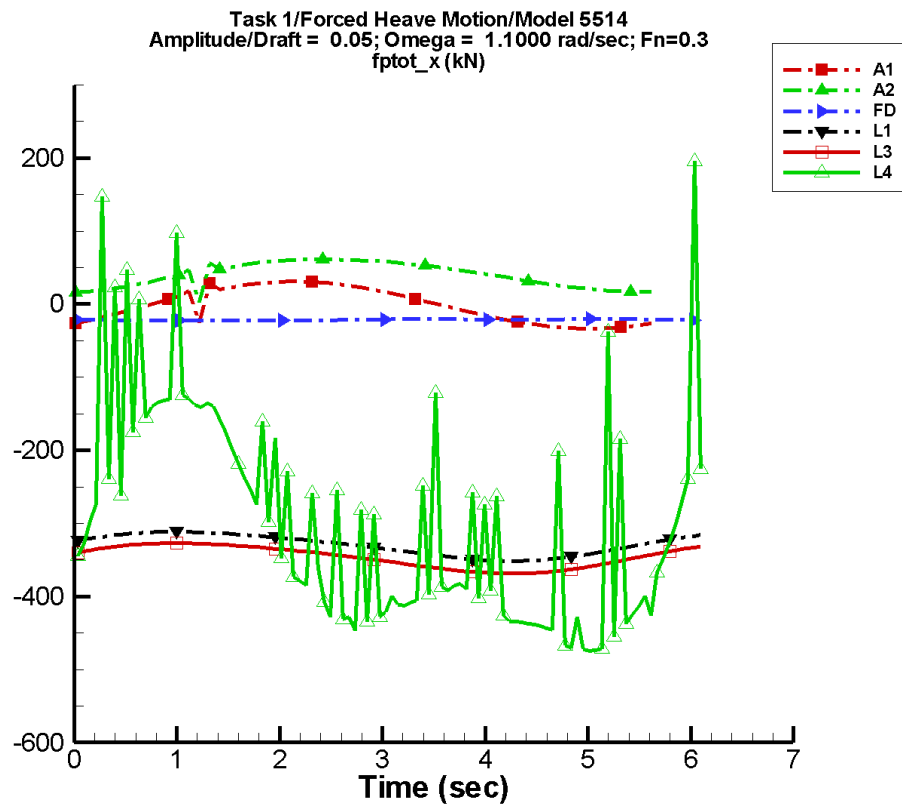
Table B–109. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	24.3	1.15E+03	-4	6.75	163
A2	-23.3	1.29E+03	-4	105.	91
FD	-18.0	9.48	-1	3.23	-89
L1	-250.	724.	16	84.5	78
L3	-264.	735.	15	82.2	78
L4	-595.	947.	16	476.	112
NF	-1.44E+03	2.10E+03	29	922.	147
NS	—	—	—	—	—

Table B–110. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-1.15E+03	1.17E+03	-1.14E+03	1.16E+03
A2	-4.31E+03	1.20E+03	-1.60E+03	1.19E+03
FD	-25.2	-5.40	-25.0	-5.50
L1	-1.04E+03	427.	-1.04E+03	426.
L3	-1.06E+03	423.	-1.06E+03	422.
L4	-2.16E+03	600.	-2.14E+03	281.
NF	-4.79E+03	28.2	-4.72E+03	11.9
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-56. Time history of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

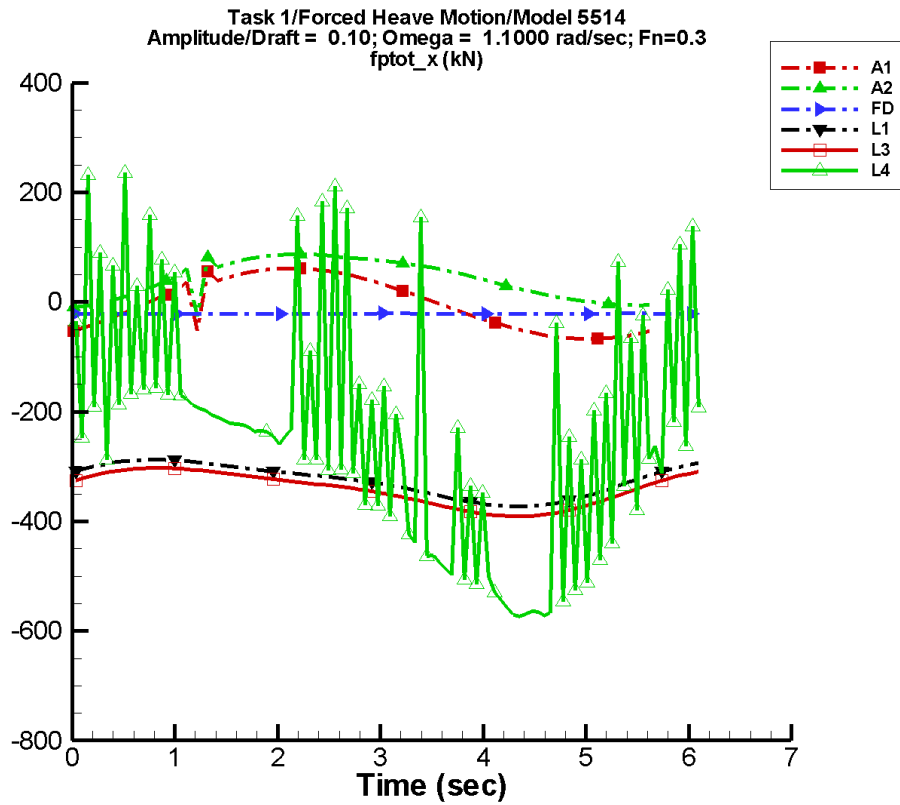
Table B–111. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-1.81	31.6	-46	0.644	84
A2	39.8	21.9	-73	0.967	-110
FD	-21.4	0.834	-179	7.96E-02	86
L1	-330.	19.4	12	2.68	50
L3	-347.	20.3	11	2.67	51
L4	-299.	132.	21	83.6	-17
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–112. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-33.6	30.9	-32.6	30.1
A2	2.54	61.1	16.3	60.6
FD	-22.2	-20.5	-22.2	-20.6
L1	-351.	-311.	-351.	-311.
L3	-369.	-327.	-368.	-327.
L4	-475.	196.	-427.	-88.1
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA and NSHIPMO.

Figure B-57. Time history of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

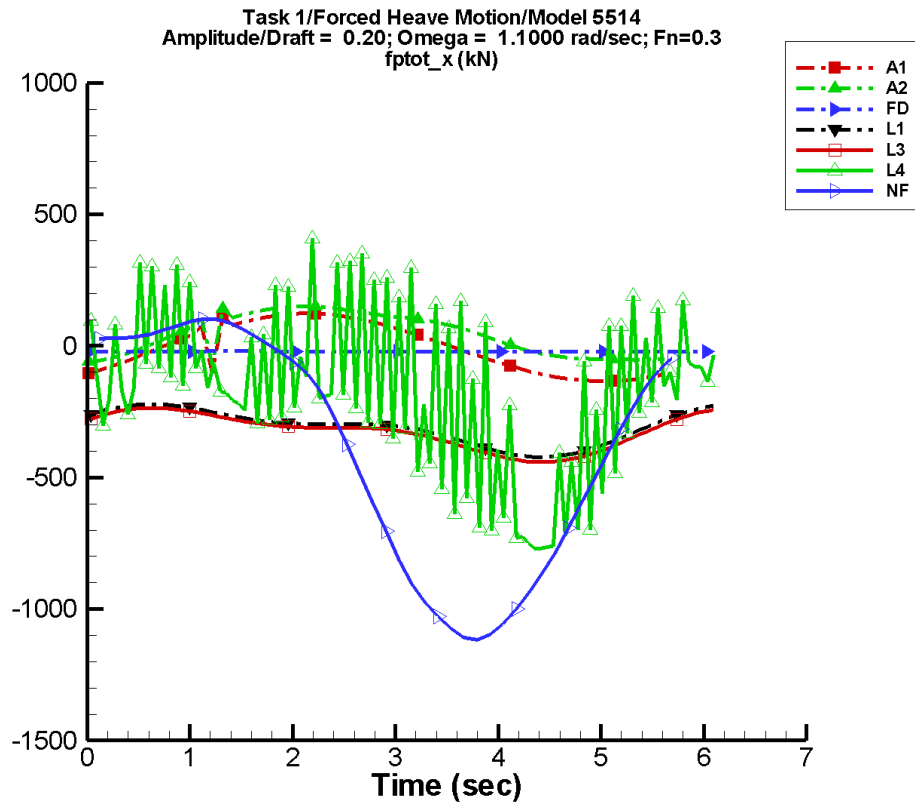
Table B–113. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-3.61	63.1	-46	1.29	84
A2	41.7	46.0	-68	3.81	-107
FD	-21.5	0.421	-175	2.39E-02	-42
L1	-327.	38.9	12	10.0	50
L3	-343.	40.7	12	9.96	50
L4	-246.	184.	12	113.	79
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–114. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-67.1	61.7	-65.2	60.0
A2	-26.3	87.3	-7.42	86.1
FD	-22.2	-20.5	-22.0	-21.0
L1	-373.	-287.	-372.	-288.
L3	-391.	-303.	-390.	-303.
L4	-574.	242.	-555.	-20.0
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NSHIPMO.

Figure B-58. Time history of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

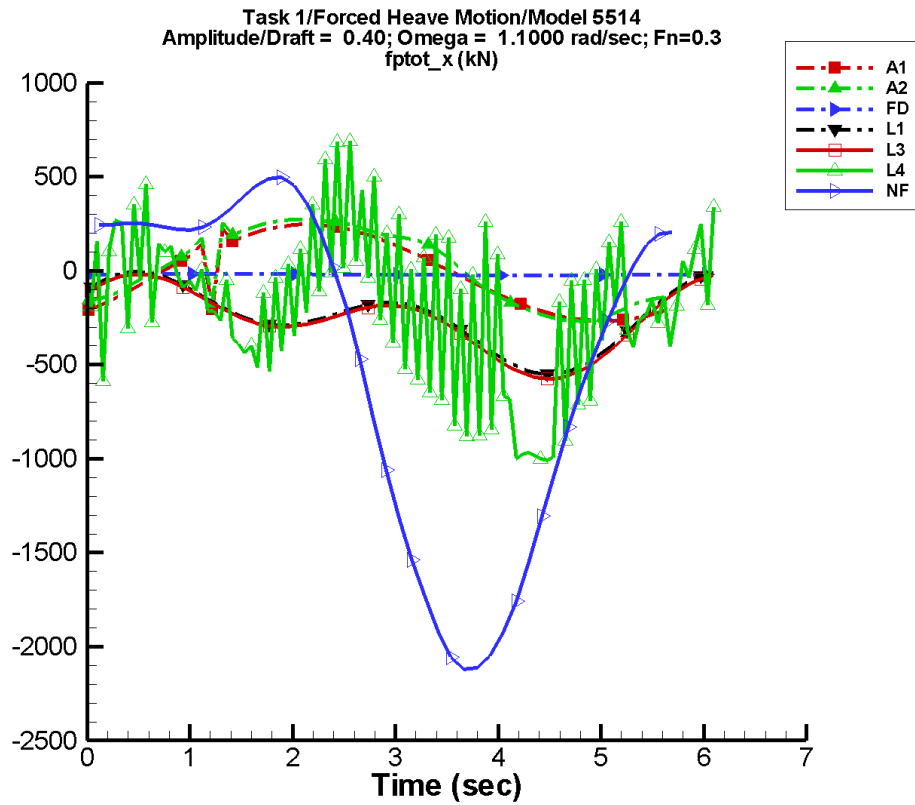
Table B–115. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-7.22	126.	-46	2.57	84
A2	43.4	104.	-58	5.07	-110
FD	-21.3	0.593	-5	0.429	-86
L1	-313.	78.0	12	39.3	50
L3	-329.	81.0	12	39.0	50
L4	-189.	232.	-4	173.	81
NF	-398.	598.	34	120.	165
NS	—	—	—	—	—

Table B–116. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-134.	123.	-130.	120.
A2	-73.7	152.	-54.5	147.
FD	-22.1	-20.0	-21.8	-20.1
L1	-422.	-221.	-420.	-223.
L3	-441.	-235.	-439.	-237.
L4	-770.	450.	-698.	85.5
NF	-1.12E+03	101.	-1.06E+03	77.1
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NSHIPMO.

Figure B-59. Time history of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

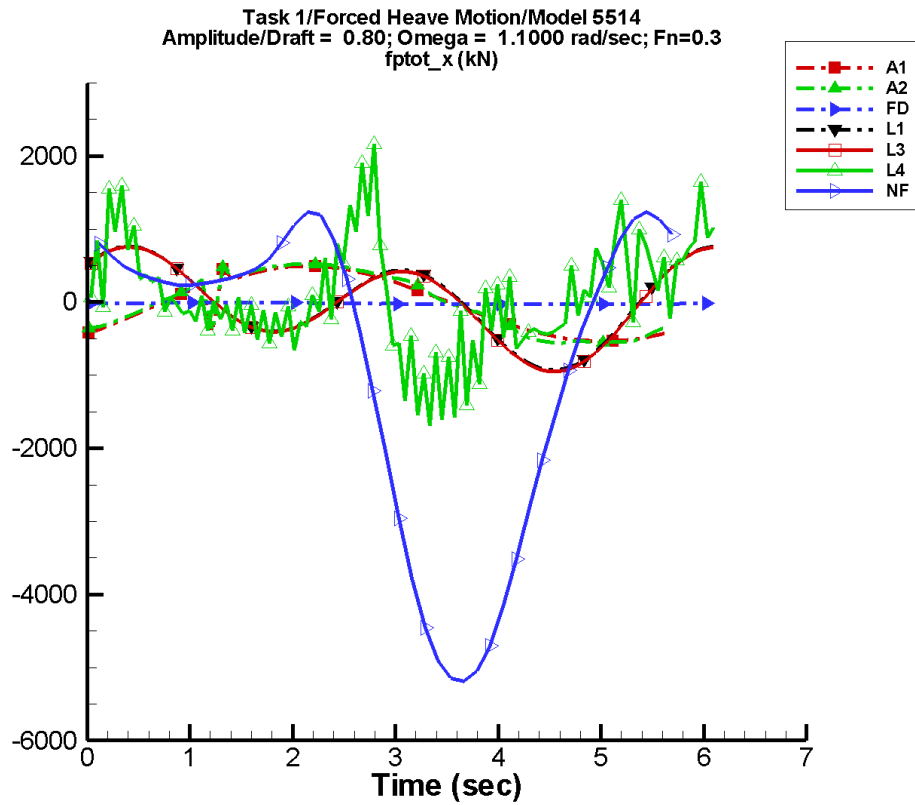
Table B–117. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-14.4	252.	-46	5.15	84
A2	13.9	261.	-45	26.0	82
FD	-20.4	3.59	-1	1.51	-89
L1	-258.	156.	12	156.	50
L3	-274.	163.	12	156.	50
L4	-202.	247.	-8	298.	88
NF	-466.	1.16E+03	28	492.	161
NS	—	—	—	—	—

Table B–118. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-268.	247.	-261.	240.
A2	-268.	271.	-250.	266.
FD	-23.2	-15.0	-23.1	-15.2
L1	-551.	-6.41	-542.	-13.9
L3	-574.	-19.3	-566.	-26.7
L4	-1.01E+03	876.	-893.	303.
NF	-2.12E+03	498.	-1.95E+03	401.
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NSHIPMO.

Figure B-60. Time history of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

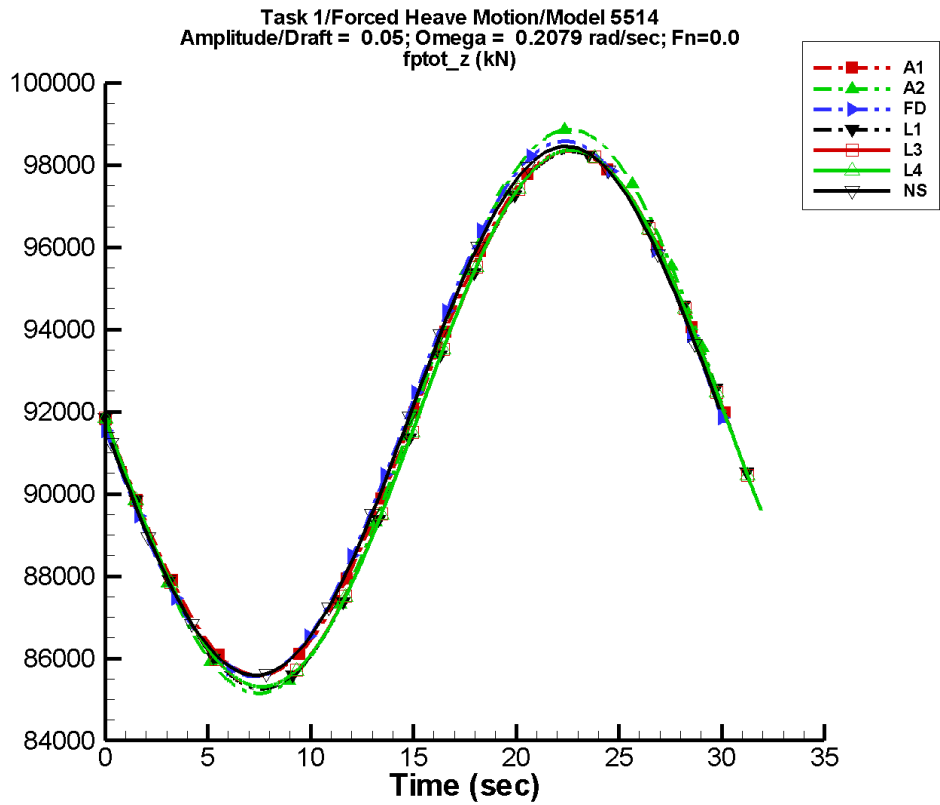
Table B–119. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-28.9	505.	-46	10.3	84
A2	-20.1	536.	-44	41.4	79
FD	-18.0	9.45	0	3.43	-90
L1	-37.7	312.	12	622.	50
L3	-51.8	323.	12	621.	50
L4	55.1	345.	63	603.	112
NF	-834.	2.44E+03	41	1.65E+03	168
NS	—	—	—	—	—

Table B–120. Minimum and maximum of F_x^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-537.	494.	-521.	480.
A2	-568.	522.	-553.	507.
FD	-25.0	-5.40	-24.9	-5.92
L1	-930.	765.	-899.	733.
L3	-950.	754.	-920.	722.
L4	-1.69E+03	2.16E+03	-1.21E+03	1.10E+03
NF	-5.19E+03	1.28E+03	-4.67E+03	900.
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-61. Time history of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

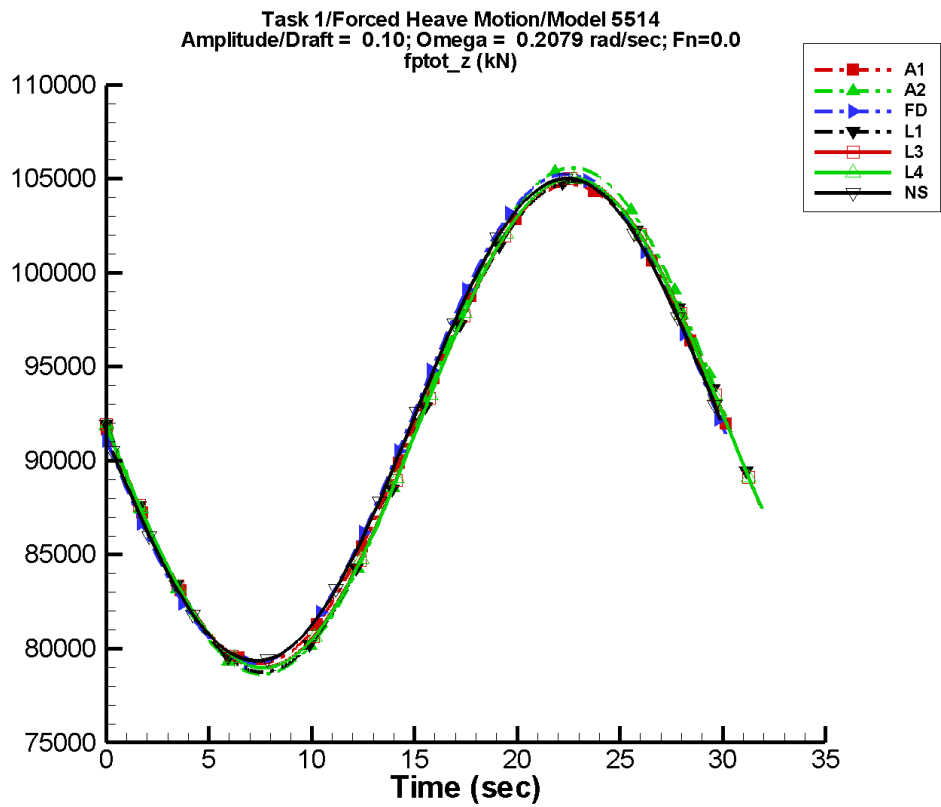
Table B–121. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	6.38E+03	-179	0.122	-173
A2	9.20E+04	6.87E+03	-179	18.9	-95
FD	9.20E+04	6.51E+03	-176	27.0	-90
L1	9.18E+04	6.53E+03	179	1.00	91
L3	9.18E+04	6.53E+03	179	26.0	-92
L4	9.18E+04	6.53E+03	179	30.8	-70
NF	—	—	—	—	—
NS	9.20E+04	6.44E+03	-177	29.0	-85

Table B–122. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	8.56E+04	9.83E+04	8.56E+04	9.83E+04
A2	8.52E+04	9.89E+04	8.51E+04	9.89E+04
FD	8.56E+04	9.86E+04	8.56E+04	9.86E+04
L1	8.53E+04	9.83E+04	8.53E+04	9.83E+04
L3	8.53E+04	9.84E+04	8.53E+04	9.84E+04
L4	8.53E+04	9.84E+04	8.53E+04	9.84E+04
NF	—	—	—	—
NS	8.56E+04	9.85E+04	8.57E+04	9.84E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-62. Time history of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

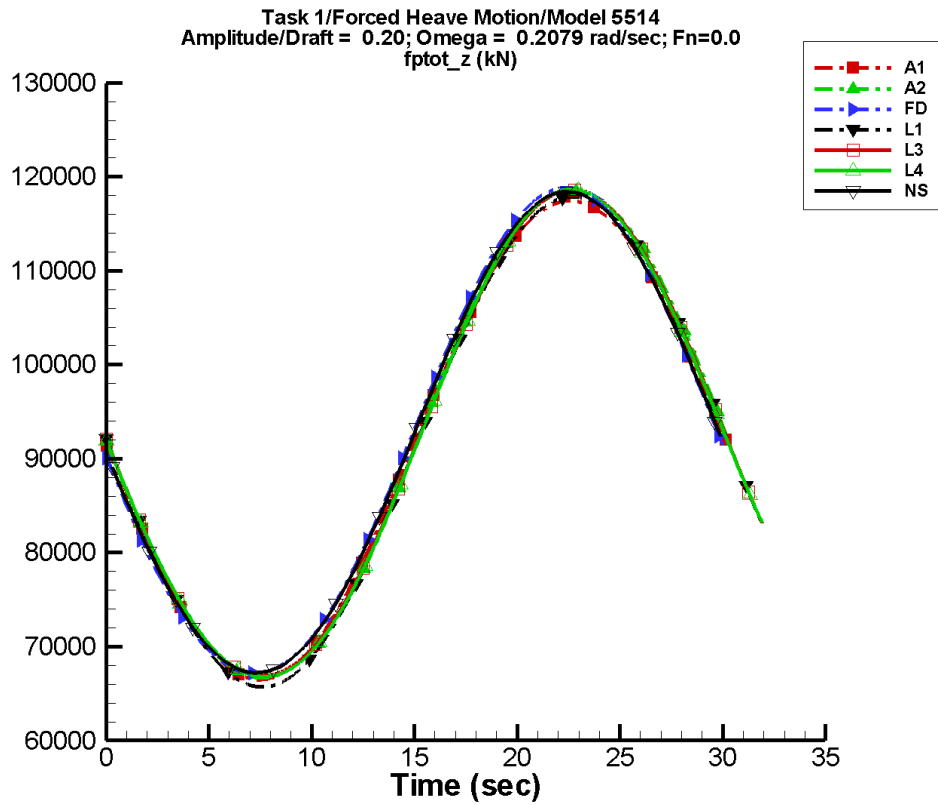
Table B–123. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	1.27E+04	-179	0.188	-173
A2	9.20E+04	1.35E+04	179	80.1	-97
FD	9.21E+04	1.30E+04	-176	112.	-90
L1	9.18E+04	1.30E+04	179	3.47	88
L3	9.19E+04	1.30E+04	179	109.	-92
L4	9.19E+04	1.30E+04	179	128.	-70
NF	—	—	—	—	—
NS	9.21E+04	1.28E+04	-177	108.	-84

Table B–124. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	7.92E+04	1.05E+05	7.92E+04	1.05E+05
A2	7.86E+04	1.06E+05	7.86E+04	1.06E+05
FD	7.92E+04	1.05E+05	7.93E+04	1.05E+05
L1	7.87E+04	1.05E+05	7.88E+04	1.05E+05
L3	7.90E+04	1.05E+05	7.90E+04	1.05E+05
L4	7.90E+04	1.05E+05	7.90E+04	1.05E+05
NF	—	—	—	—
NS	7.93E+04	1.05E+05	7.95E+04	1.05E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-63. Time history of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

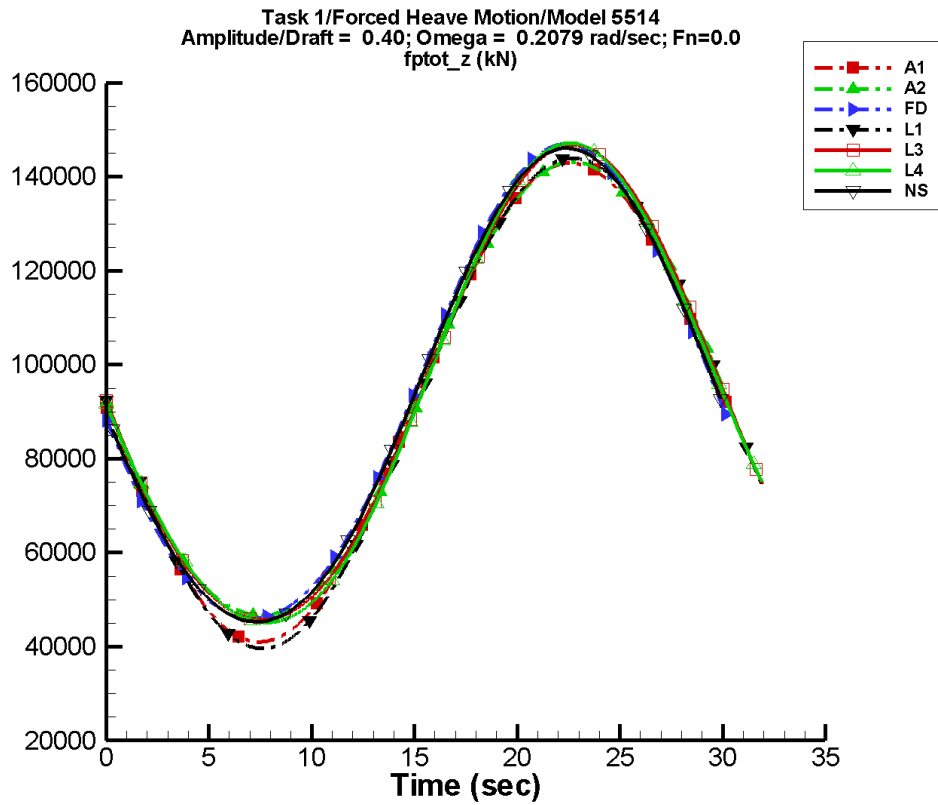
Table B–125. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	2.55E+04	-179	0.370	-170
A2	9.23E+04	2.62E+04	180	358.	-97
FD	9.25E+04	2.59E+04	-176	494.	-90
L1	9.18E+04	2.61E+04	179	12.9	87
L3	9.23E+04	2.59E+04	179	489.	-92
L4	9.22E+04	2.60E+04	179	559.	-70
NF	—	—	—	—	—
NS	9.24E+04	2.56E+04	-177	415.	-83

Table B–126. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	6.65E+04	1.17E+05	6.65E+04	1.17E+05
A2	6.67E+04	1.19E+05	6.67E+04	1.18E+05
FD	6.71E+04	1.19E+05	6.72E+04	1.19E+05
L1	6.57E+04	1.18E+05	6.57E+04	1.18E+05
L3	6.69E+04	1.19E+05	6.69E+04	1.19E+05
L4	6.68E+04	1.19E+05	6.68E+04	1.19E+05
NF	—	—	—	—
NS	6.72E+04	1.18E+05	6.74E+04	1.18E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-64. Time history of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

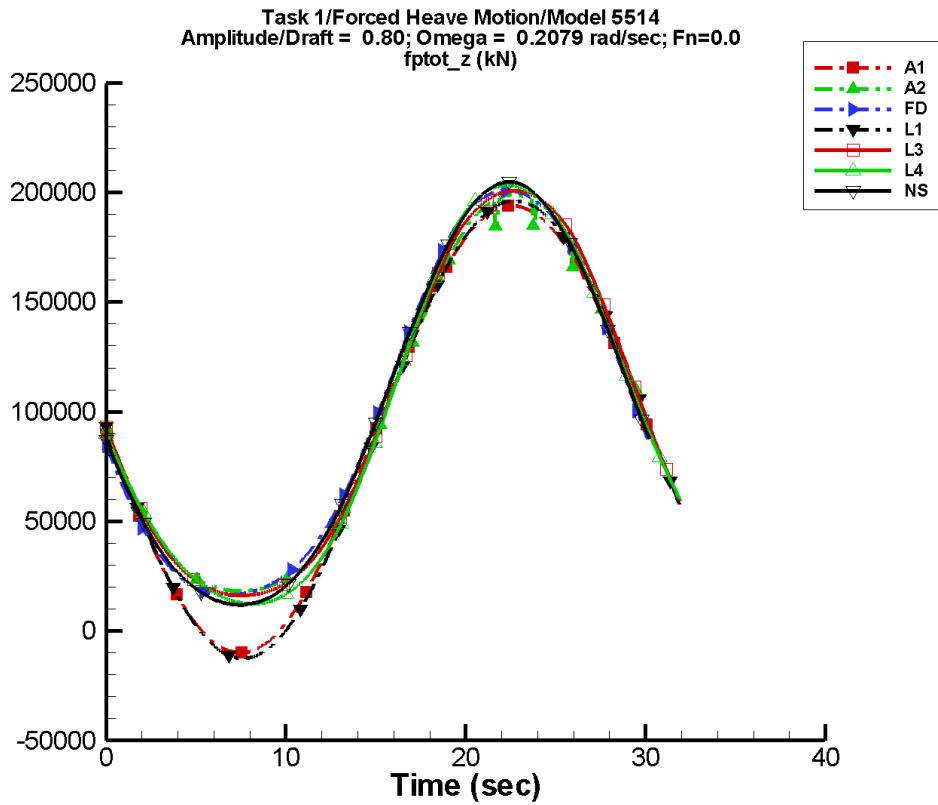
Table B–127. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	5.10E+04	-179	0.753	-170
A2	9.33E+04	4.91E+04	180	1.66E+03	-96
FD	9.42E+04	5.09E+04	-176	2.32E+03	-89
L1	9.18E+04	5.22E+04	179	49.8	86
L3	9.40E+04	5.09E+04	179	2.31E+03	-92
L4	9.37E+04	5.12E+04	179	2.62E+03	-71
NF	—	—	—	—	—
NS	9.39E+04	5.06E+04	-177	1.82E+03	-82

Table B–128. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	4.10E+04	1.43E+05	4.09E+04	1.43E+05
A2	4.67E+04	1.43E+05	4.66E+04	1.43E+05
FD	4.60E+04	1.47E+05	4.60E+04	1.47E+05
L1	3.96E+04	1.44E+05	3.96E+04	1.44E+05
L3	4.57E+04	1.47E+05	4.57E+04	1.47E+05
L4	4.52E+04	1.47E+05	4.52E+04	1.47E+05
NF	—	—	—	—
NS	4.53E+04	1.46E+05	4.57E+04	1.46E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-65. Time history of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

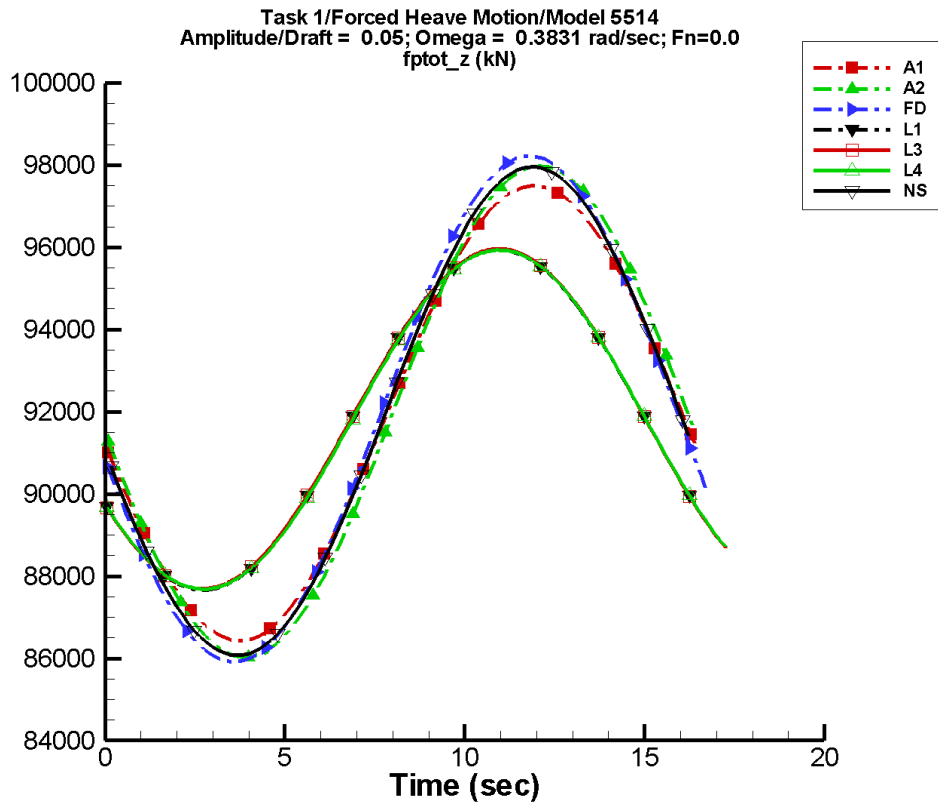
Table B–129. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	1.02E+05	-179	1.49	-170
A2	9.97E+04	9.26E+04	180	8.83E+03	-93
FD	1.01E+05	9.55E+04	-176	9.02E+03	-88
L1	9.20E+04	1.04E+05	179	196.	86
L3	1.01E+05	9.56E+04	180	9.02E+03	-92
L4	9.95E+04	9.74E+04	180	1.02E+04	-70
NF	—	—	—	—	—
NS	1.00E+05	9.76E+04	-177	7.98E+03	-82

Table B–130. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-9.95E+03	1.94E+05	-1.01E+04	1.94E+05
A2	1.82E+04	1.99E+05	1.81E+04	1.99E+05
FD	1.63E+04	2.01E+05	1.63E+04	2.01E+05
L1	-1.26E+04	1.96E+05	-1.25E+04	1.96E+05
L3	1.63E+04	2.01E+05	1.63E+04	2.01E+05
L4	1.24E+04	2.03E+05	1.24E+04	2.03E+05
NF	—	—	—	—
NS	1.19E+04	2.05E+05	1.22E+04	2.04E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-66. Time history of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

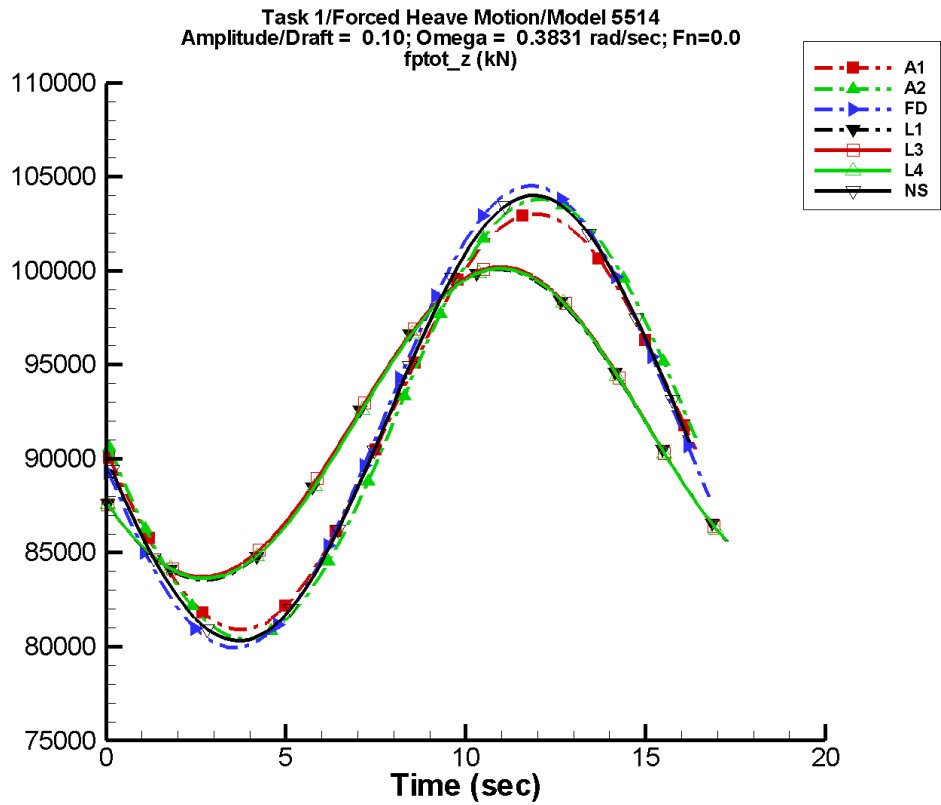
Table B–131. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	5.54E+03	-172	0.968	106
A2	9.20E+04	5.99E+03	-176	18.0	-100
FD	9.20E+04	6.15E+03	-169	27.0	-90
L1	9.18E+04	4.14E+03	-150	3.94	86
L3	9.18E+04	4.13E+03	-150	23.0	-92
L4	9.18E+04	4.13E+03	-151	16.5	-56
NF	—	—	—	—	—
NS	9.20E+04	5.95E+03	-171	24.8	-77

Table B–132. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	8.64E+04	9.75E+04	8.64E+04	9.75E+04
A2	8.60E+04	9.80E+04	8.60E+04	9.80E+04
FD	8.59E+04	9.82E+04	8.59E+04	9.82E+04
L1	8.77E+04	9.59E+04	8.77E+04	9.59E+04
L3	8.77E+04	9.60E+04	8.77E+04	9.60E+04
L4	8.77E+04	9.59E+04	8.77E+04	9.59E+04
NF	—	—	—	—
NS	8.61E+04	9.80E+04	8.61E+04	9.79E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-67. Time history of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

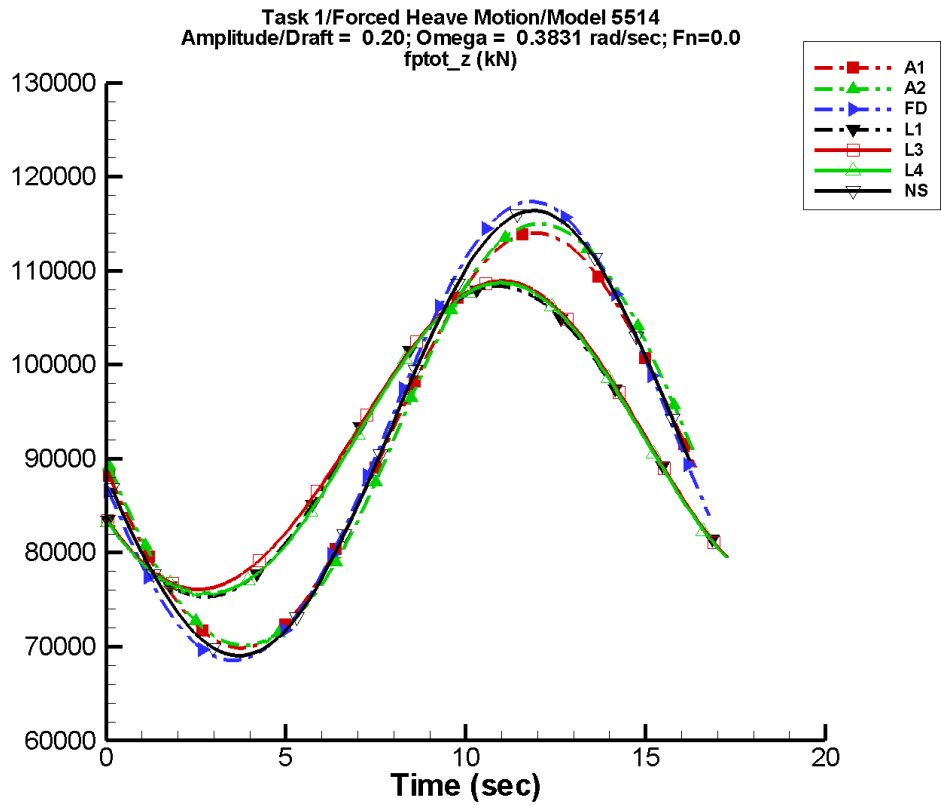
Table B–133. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	1.11E+04	-172	1.93	106
A2	9.20E+04	1.18E+04	-175	78.8	-99
FD	9.21E+04	1.23E+04	-169	112.	-90
L1	9.18E+04	8.26E+03	-150	19.0	82
L3	9.19E+04	8.25E+03	-150	92.4	-92
L4	9.18E+04	8.25E+03	-151	63.4	-54
NF	—	—	—	—	—
NS	9.21E+04	1.19E+04	-171	92.9	-75

Table B–134. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	8.09E+04	1.03E+05	8.09E+04	1.03E+05
A2	8.04E+04	1.04E+05	8.04E+04	1.04E+05
FD	7.99E+04	1.05E+05	8.00E+04	1.04E+05
L1	8.35E+04	1.00E+05	8.36E+04	1.00E+05
L3	8.37E+04	1.00E+05	8.37E+04	1.00E+05
L4	8.36E+04	1.00E+05	8.36E+04	1.00E+05
NF	—	—	—	—
NS	8.03E+04	1.04E+05	8.04E+04	1.04E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-68. Time history of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

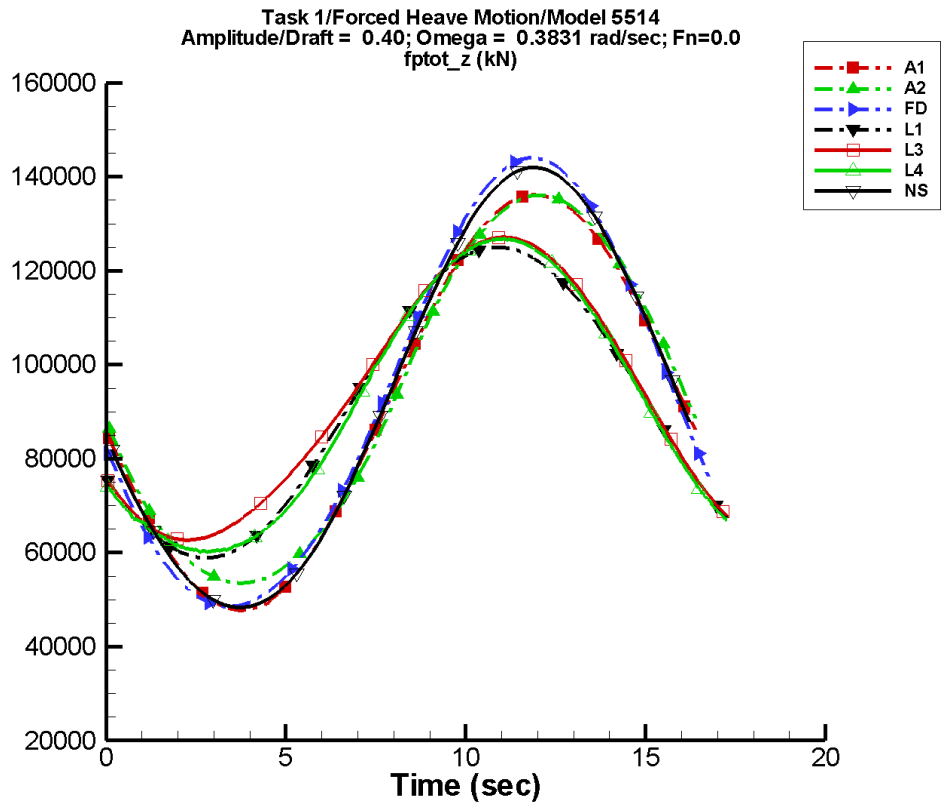
Table B–135. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	2.21E+04	-172	3.88	106
A2	9.23E+04	2.27E+04	-175	356.	-100
FD	9.25E+04	2.45E+04	-169	491.	-90
L1	9.19E+04	1.65E+04	-150	82.6	80
L3	9.23E+04	1.64E+04	-150	409.	-92
L4	9.19E+04	1.66E+04	-151	262.	-38
NF	—	—	—	—	—
NS	9.24E+04	2.37E+04	-171	350.	-72

Table B–136. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	6.98E+04	1.14E+05	6.99E+04	1.14E+05
A2	7.01E+04	1.15E+05	7.01E+04	1.15E+05
FD	6.85E+04	1.17E+05	6.86E+04	1.17E+05
L1	7.53E+04	1.08E+05	7.53E+04	1.08E+05
L3	7.61E+04	1.09E+05	7.61E+04	1.09E+05
L4	7.55E+04	1.09E+05	7.56E+04	1.09E+05
NF	—	—	—	—
NS	6.90E+04	1.16E+05	6.93E+04	1.16E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-69. Time history of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

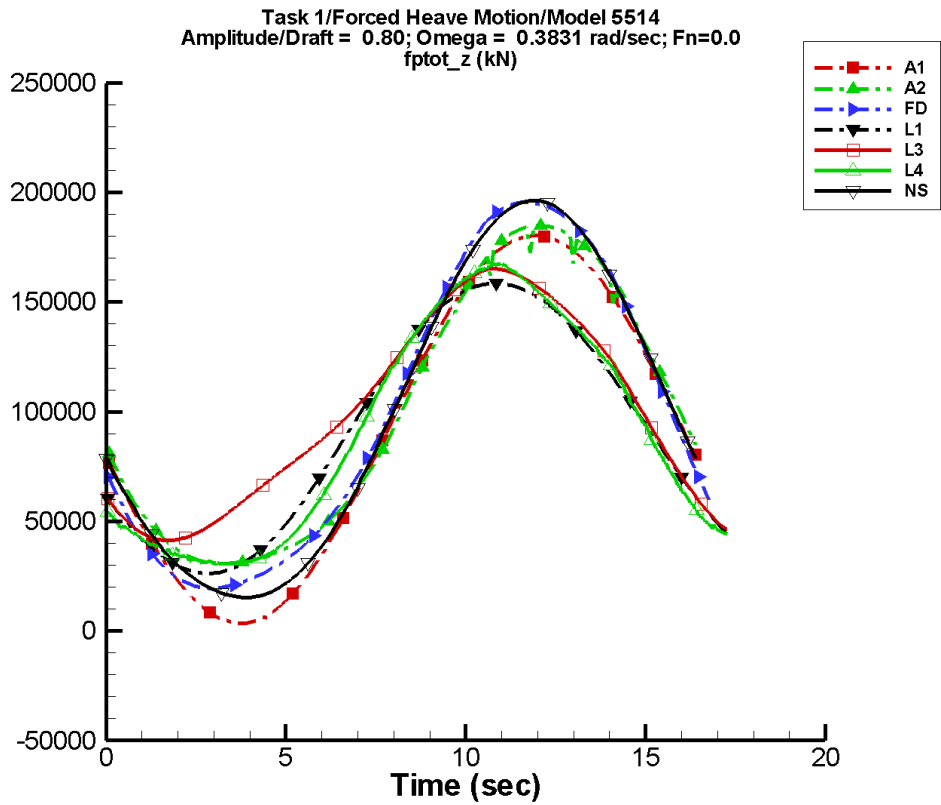
Table B–137. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	4.42E+04	-172	7.77	106
A2	9.33E+04	4.21E+04	-174	1.66E+03	-98
FD	9.42E+04	4.80E+04	-169	2.30E+03	-89
L1	9.21E+04	3.31E+04	-150	344.	80
L3	9.42E+04	3.20E+04	-149	1.95E+03	-93
L4	9.21E+04	3.37E+04	-151	1.33E+03	-31
NF	—	—	—	—	—
NS	9.37E+04	4.69E+04	-171	1.52E+03	-68

Table B–138. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	4.75E+04	1.36E+05	4.78E+04	1.36E+05
A2	5.32E+04	1.36E+05	5.35E+04	1.36E+05
FD	4.85E+04	1.44E+05	4.87E+04	1.44E+05
L1	5.89E+04	1.25E+05	5.89E+04	1.25E+05
L3	6.27E+04	1.27E+05	6.27E+04	1.27E+05
L4	6.01E+04	1.27E+05	6.03E+04	1.27E+05
NF	—	—	—	—
NS	4.84E+04	1.42E+05	4.88E+04	1.42E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-70. Time history of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

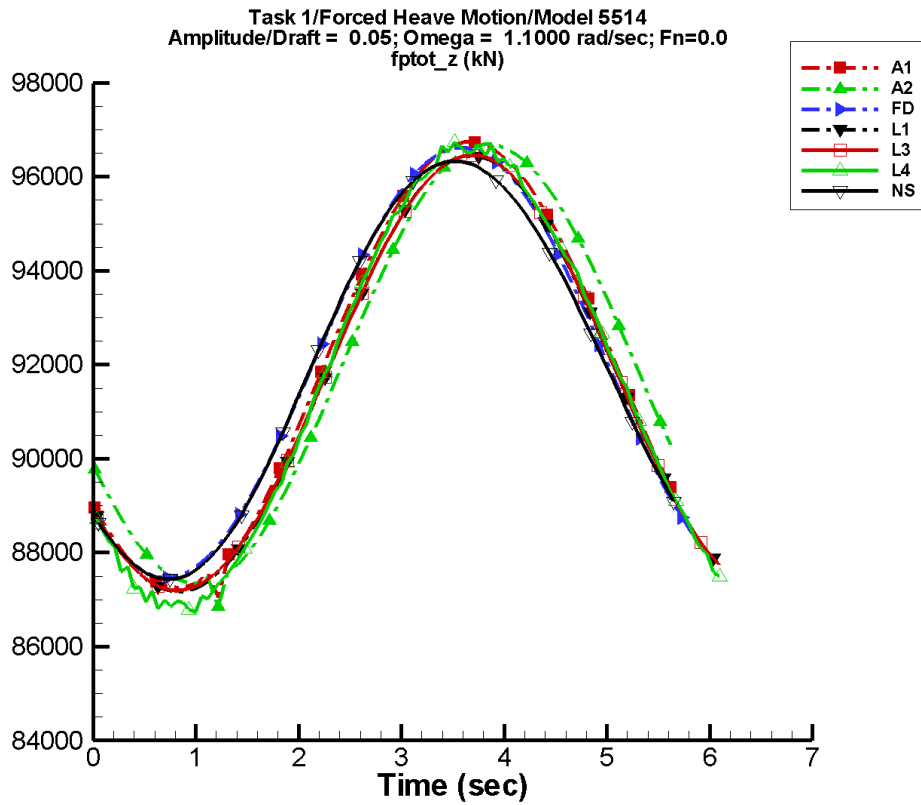
Table B–139. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	8.84E+04	-172	15.5	106
A2	9.97E+04	7.86E+04	-174	8.80E+03	-96
FD	1.01E+05	8.99E+04	-168	8.78E+03	-89
L1	9.28E+04	6.61E+04	-150	1.40E+03	79
L3	1.01E+05	5.91E+04	-145	7.41E+03	-93
L4	9.24E+04	6.88E+04	-152	5.51E+03	-8
NF	—	—	—	—	—
NS	9.94E+04	9.10E+04	-171	6.56E+03	-66

Table B–140. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	3.13E+03	1.80E+05	3.57E+03	1.80E+05
A2	2.95E+04	1.85E+05	3.06E+04	1.84E+05
FD	1.95E+04	1.96E+05	1.97E+04	1.95E+05
L1	2.62E+04	1.59E+05	2.63E+04	1.58E+05
L3	4.12E+04	1.65E+05	4.13E+04	1.65E+05
L4	3.01E+04	1.68E+05	3.07E+04	1.67E+05
NF	—	—	—	—
NS	1.53E+04	1.96E+05	1.56E+04	1.96E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-71. Time history of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

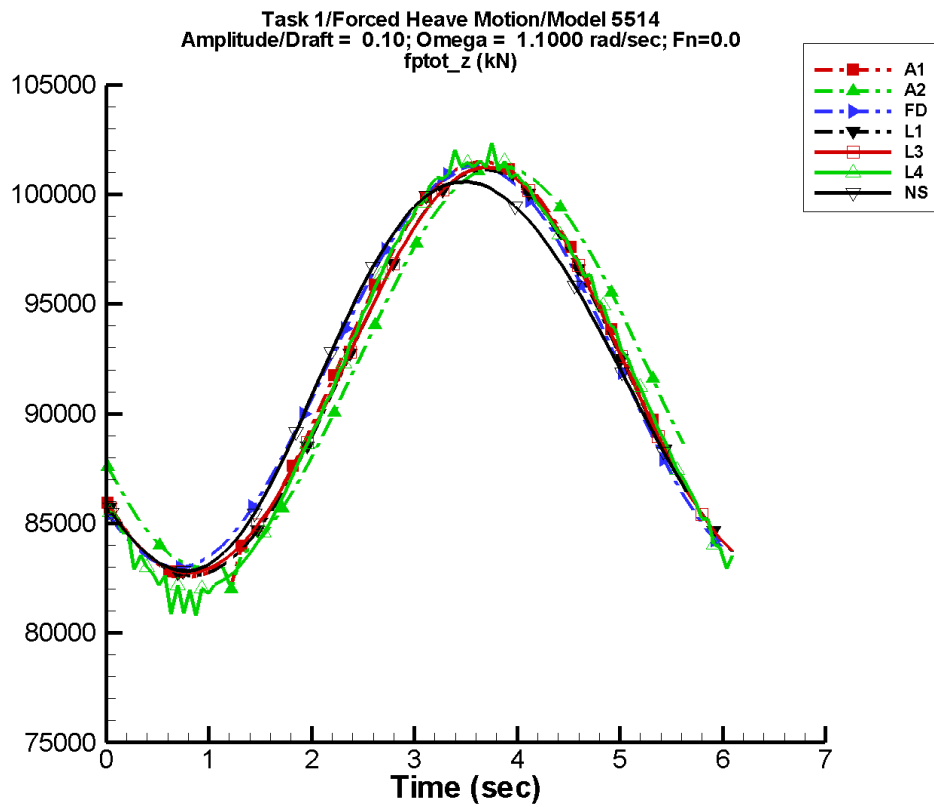
Table B–141. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	4.79E+03	-142	60.3	83
A2	9.20E+04	4.72E+03	-153	42.8	88
FD	9.20E+04	4.58E+03	-135	27.0	-90
L1	9.18E+04	4.63E+03	-142	43.1	-4
L3	9.18E+04	4.63E+03	-142	49.4	-37
L4	9.18E+04	4.87E+03	-142	69.3	118
NF	—	—	—	—	—
NS	9.19E+04	4.44E+03	-134	106.	125

Table B–142. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	8.69E+04	9.67E+04	8.73E+04	9.66E+04
A2	8.68E+04	9.67E+04	8.73E+04	9.65E+04
FD	8.75E+04	9.66E+04	8.76E+04	9.65E+04
L1	8.72E+04	9.64E+04	8.72E+04	9.64E+04
L3	8.72E+04	9.65E+04	8.72E+04	9.64E+04
L4	8.67E+04	9.67E+04	8.69E+04	9.66E+04
NF	—	—	—	—
NS	8.74E+04	9.63E+04	8.75E+04	9.63E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-72. Time history of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

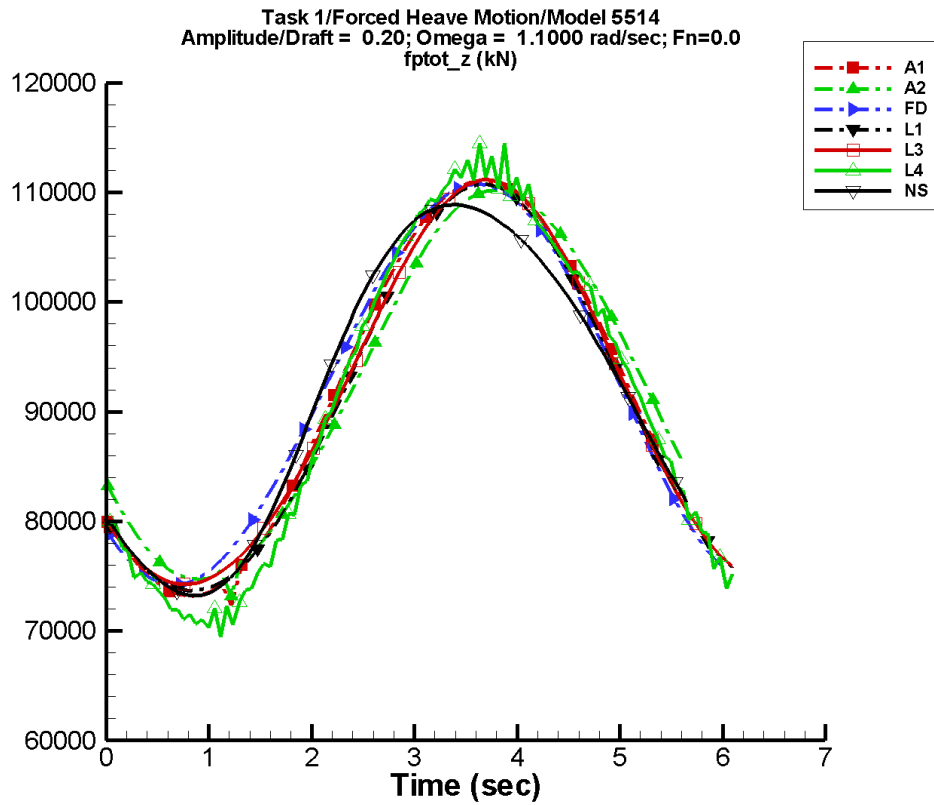
Table B–143. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	9.57E+03	-142	120.	83
A2	9.20E+04	9.28E+03	-152	46.6	100
FD	9.21E+04	9.15E+03	-135	113.	-90
L1	9.17E+04	9.25E+03	-142	182.	-5
L3	9.18E+04	9.23E+03	-142	209.	-38
L4	9.18E+04	9.89E+03	-142	252.	118
NF	—	—	—	—	—
NS	9.19E+04	8.86E+03	-134	427.	125

Table B–144. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	8.18E+04	1.01E+05	8.26E+04	1.01E+05
A2	8.20E+04	1.01E+05	8.28E+04	1.01E+05
FD	8.30E+04	1.01E+05	8.33E+04	1.01E+05
L1	8.26E+04	1.01E+05	8.27E+04	1.01E+05
L3	8.27E+04	1.01E+05	8.28E+04	1.01E+05
L4	8.08E+04	1.02E+05	8.16E+04	1.01E+05
NF	—	—	—	—
NS	8.28E+04	1.01E+05	8.29E+04	1.01E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-73. Time history of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

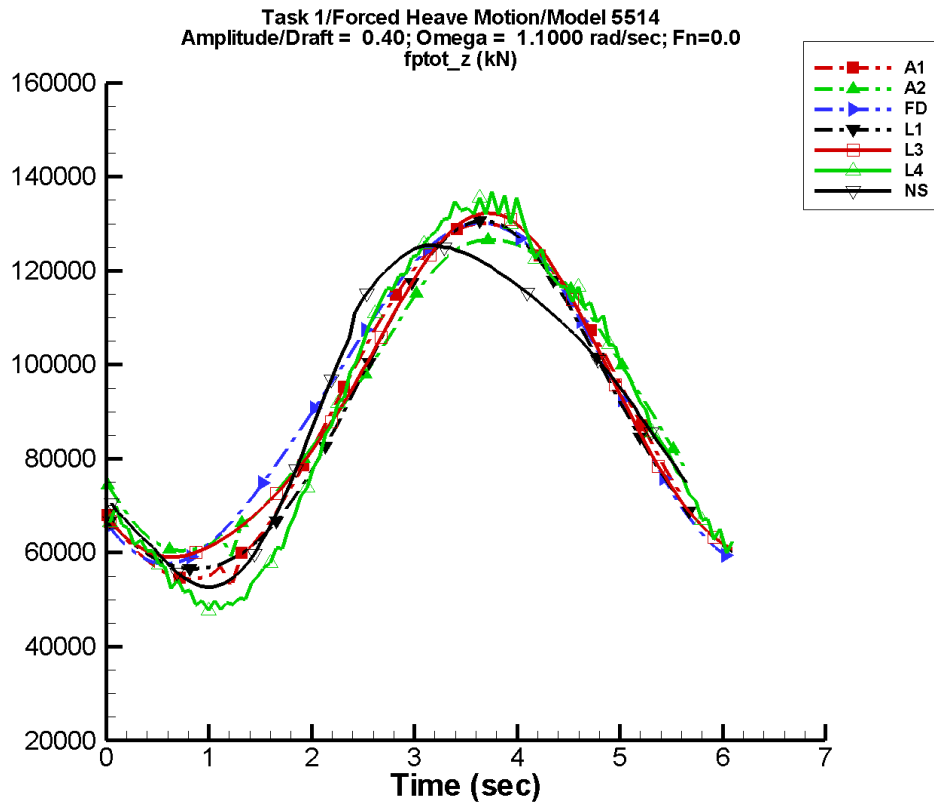
Table B–145. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.19E+04	1.91E+04	-142	241.	83
A2	9.22E+04	1.79E+04	-151	116.	-130
FD	9.25E+04	1.82E+04	-135	498.	-90
L1	9.15E+04	1.85E+04	-142	746.	-6
L3	9.20E+04	1.84E+04	-142	884.	-40
L4	9.19E+04	2.05E+04	-144	1.08E+03	93
NF	—	—	—	—	—
NS	9.20E+04	1.78E+04	-135	1.77E+03	122

Table B–146. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	7.16E+04	1.11E+05	7.32E+04	1.10E+05
A2	7.32E+04	1.10E+05	7.46E+04	1.10E+05
FD	7.42E+04	1.11E+05	7.48E+04	1.10E+05
L1	7.37E+04	1.11E+05	7.39E+04	1.10E+05
L3	7.43E+04	1.11E+05	7.44E+04	1.11E+05
L4	6.94E+04	1.14E+05	7.10E+04	1.12E+05
NF	—	—	—	—
NS	7.32E+04	1.09E+05	7.34E+04	1.09E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-74. Time history of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

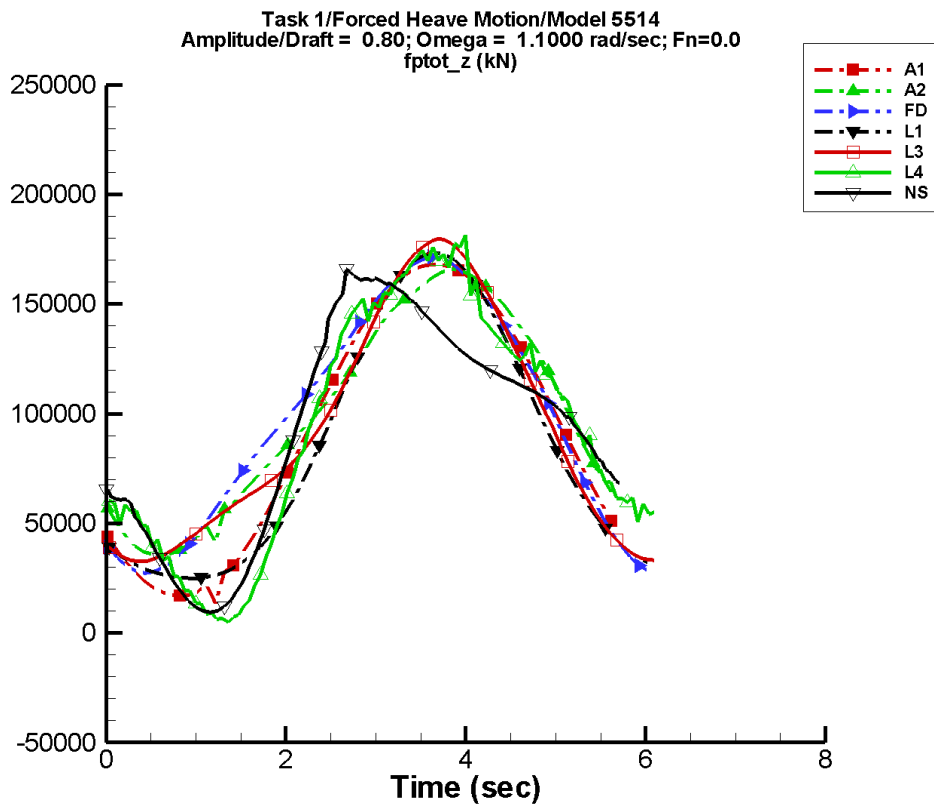
Table B–147. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.19E+04	3.83E+04	-142	482.	83
A2	9.33E+04	3.31E+04	-147	1.14E+03	-110
FD	9.42E+04	3.58E+04	-134	2.35E+03	-90
L1	9.07E+04	3.70E+04	-142	3.02E+03	-6
L3	9.28E+04	3.60E+04	-141	3.78E+03	-44
L4	9.25E+04	4.19E+04	-146	3.92E+03	85
NF	—	—	—	—	—
NS	9.20E+04	3.50E+04	-136	6.84E+03	114

Table B–148. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	5.12E+04	1.30E+05	5.45E+04	1.29E+05
A2	5.69E+04	1.27E+05	6.06E+04	1.26E+05
FD	5.76E+04	1.30E+05	5.89E+04	1.29E+05
L1	5.65E+04	1.31E+05	5.68E+04	1.30E+05
L3	5.91E+04	1.32E+05	5.94E+04	1.32E+05
L4	4.73E+04	1.37E+05	4.91E+04	1.34E+05
NF	—	—	—	—
NS	5.27E+04	1.26E+05	5.33E+04	1.25E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-75. Time history of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

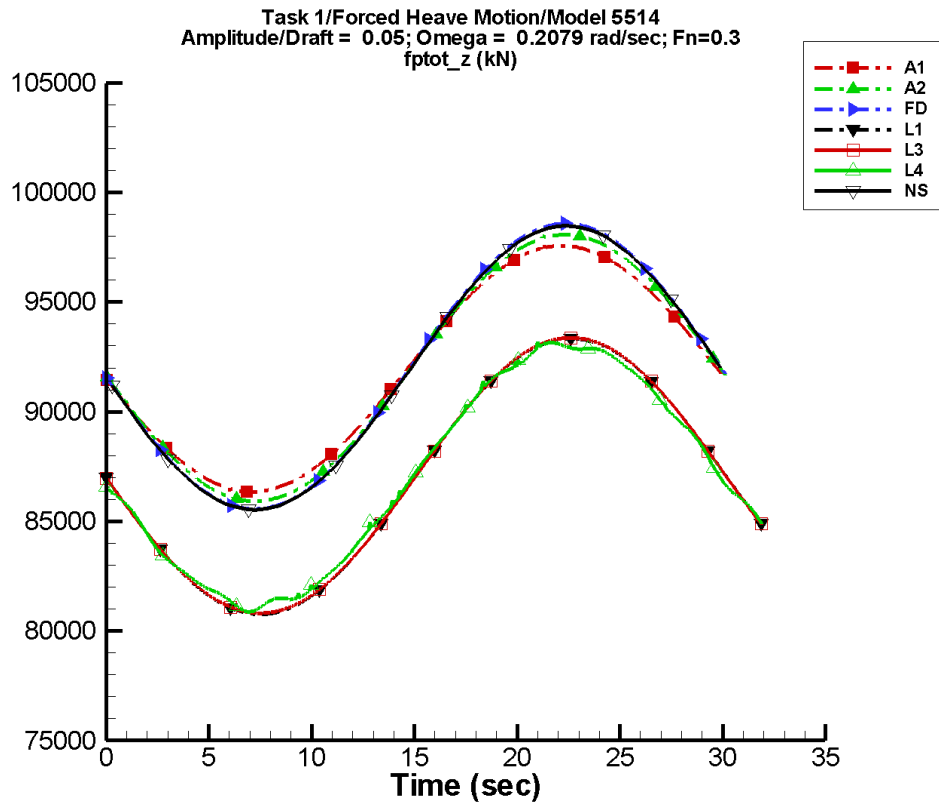
Table B–149. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.19E+04	7.65E+04	-142	963.	83
A2	9.99E+04	6.23E+04	-144	8.03E+03	-105
FD	1.01E+05	6.75E+04	-130	9.29E+03	-90
L1	8.73E+04	7.40E+04	-142	1.22E+04	-6
L3	9.60E+04	6.77E+04	-137	1.51E+04	-44
L4	9.52E+04	7.60E+04	-148	1.65E+04	76
NF	—	—	—	—	—
NS	9.26E+04	6.38E+04	-137	2.50E+04	107

Table B–150. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	1.05E+04	1.68E+05	1.70E+04	1.66E+05
A2	2.91E+04	1.66E+05	3.71E+04	1.62E+05
FD	2.73E+04	1.72E+05	3.08E+04	1.68E+05
L1	2.49E+04	1.73E+05	2.53E+04	1.72E+05
L3	3.27E+04	1.80E+05	3.38E+04	1.78E+05
L4	5.04E+03	1.81E+05	7.89E+03	1.73E+05
NF	—	—	—	—
NS	9.36E+03	1.66E+05	1.02E+04	1.62E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-76. Time history of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

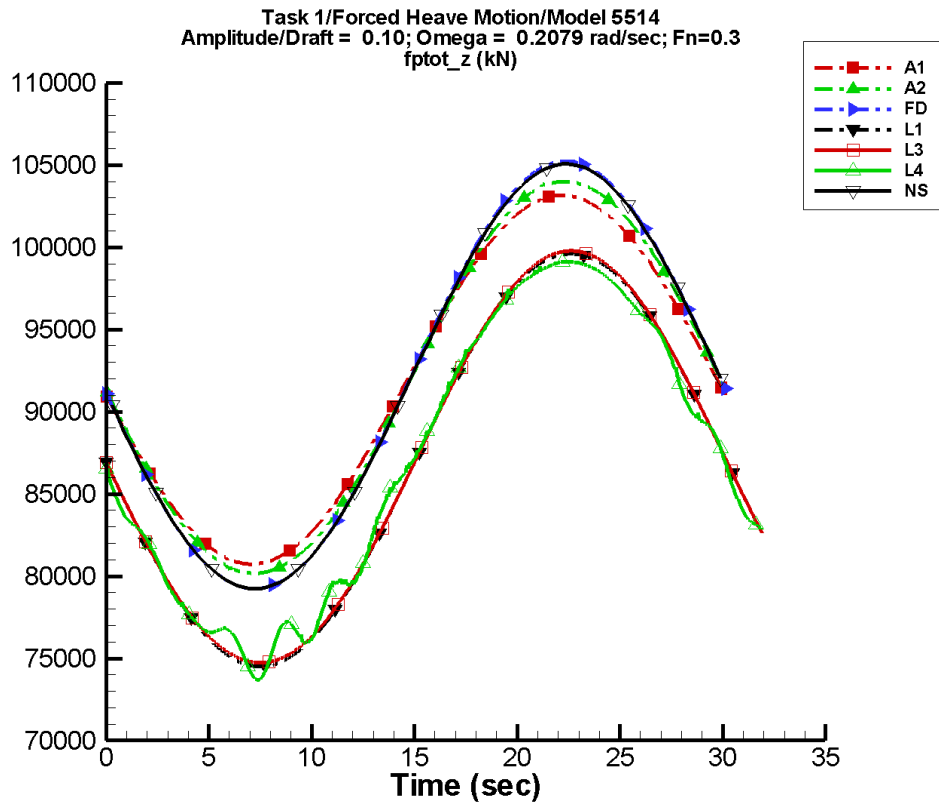
Table B–151. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	5.61E+03	-175	18.0	-1
A2	9.20E+04	6.08E+03	-176	24.6	-50
FD	9.20E+04	6.51E+03	-176	27.0	-90
L1	8.71E+04	6.29E+03	-179	1.15	81
L3	8.71E+04	6.28E+03	-179	25.9	-91
L4	8.71E+04	5.97E+03	-178	25.7	-86
NF	—	—	—	—	—
NS	9.20E+04	6.48E+03	-177	24.9	-125

Table B–152. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	8.63E+04	9.76E+04	8.63E+04	9.76E+04
A2	8.59E+04	9.81E+04	8.59E+04	9.81E+04
FD	8.56E+04	9.86E+04	8.56E+04	9.86E+04
L1	8.08E+04	9.33E+04	8.08E+04	9.33E+04
L3	8.08E+04	9.34E+04	8.08E+04	9.34E+04
L4	8.09E+04	9.32E+04	8.09E+04	9.31E+04
NF	—	—	—	—
NS	8.55E+04	9.85E+04	8.56E+04	9.84E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-77. Time history of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

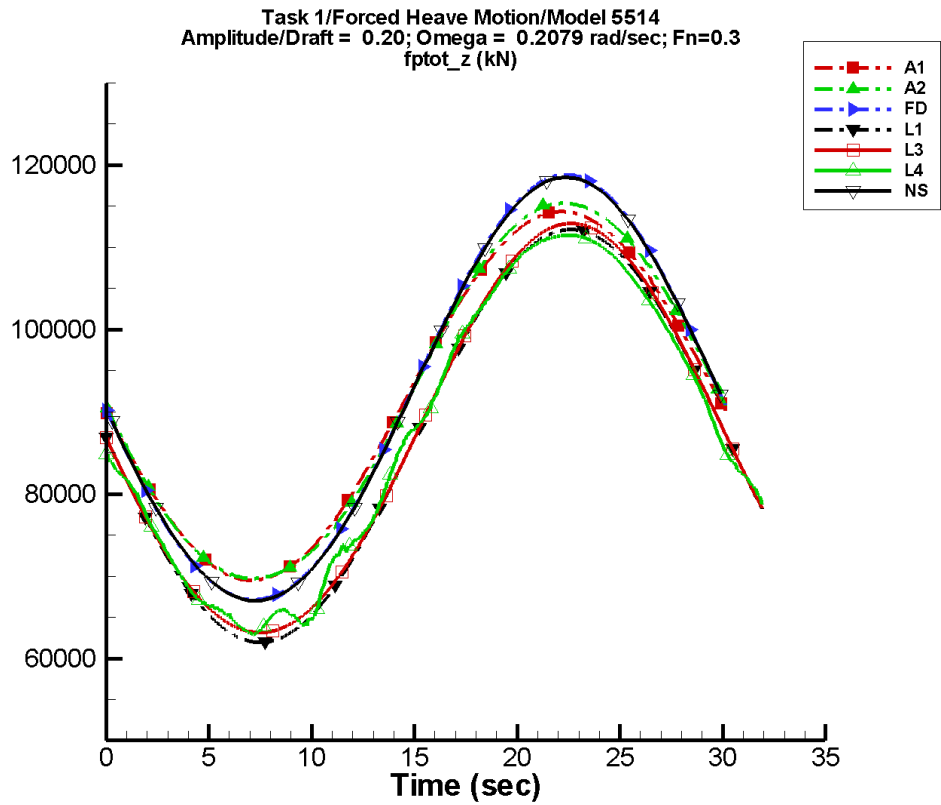
Table B–153. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.19E+04	1.12E+04	-175	35.9	-1
A2	9.20E+04	1.20E+04	-176	84.6	-71
FD	9.21E+04	1.30E+04	-176	112.	-90
L1	8.71E+04	1.26E+04	-179	4.53	80
L3	8.72E+04	1.25E+04	-179	108.	-91
L4	8.71E+04	1.19E+04	-177	107.	-94
NF	—	—	—	—	—
NS	9.21E+04	1.29E+04	-176	94.7	-102

Table B–154. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	8.07E+04	1.03E+05	8.07E+04	1.03E+05
A2	8.02E+04	1.04E+05	8.02E+04	1.04E+05
FD	7.92E+04	1.05E+05	7.93E+04	1.05E+05
L1	7.45E+04	9.96E+04	7.45E+04	9.96E+04
L3	7.47E+04	9.98E+04	7.47E+04	9.98E+04
L4	7.37E+04	9.91E+04	7.38E+04	9.91E+04
NF	—	—	—	—
NS	7.92E+04	1.05E+05	7.94E+04	1.05E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-78. Time history of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

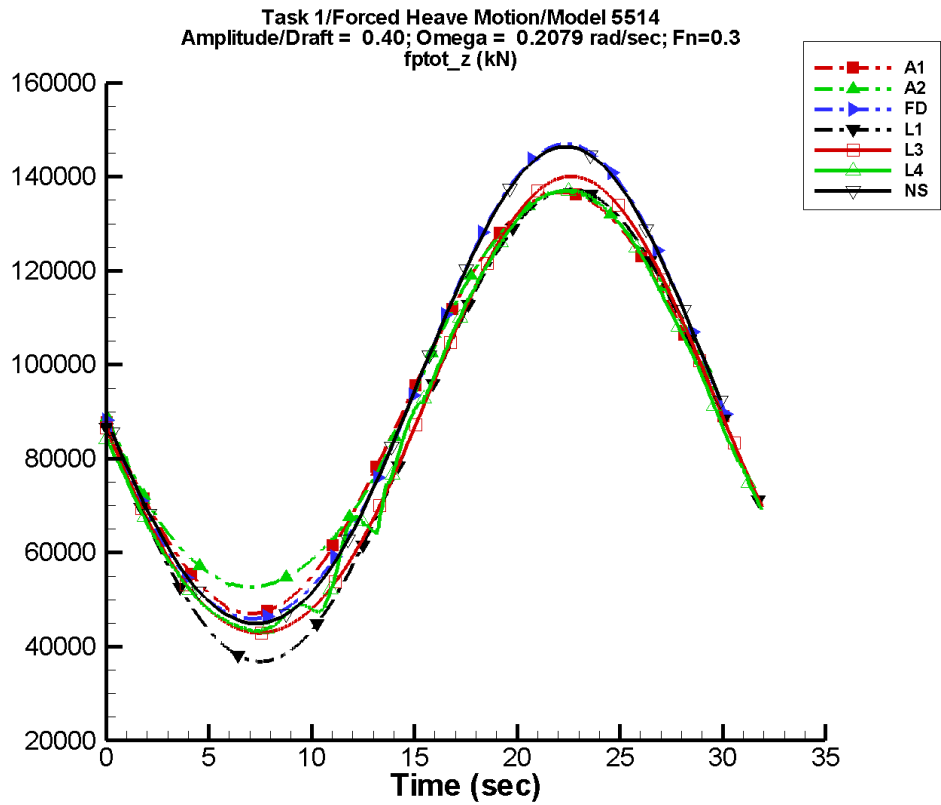
Table B–155. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.19E+04	2.24E+04	-175	71.8	-1
A2	9.22E+04	2.31E+04	-176	358.	-85
FD	9.25E+04	2.59E+04	-176	494.	-90
L1	8.71E+04	2.51E+04	-179	18.1	80
L3	8.75E+04	2.49E+04	-179	484.	-91
L4	8.74E+04	2.39E+04	-177	227.	-63
NF	—	—	—	—	—
NS	9.24E+04	2.58E+04	-177	392.	-88

Table B–156. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	6.95E+04	1.14E+05	6.95E+04	1.14E+05
A2	6.97E+04	1.15E+05	6.97E+04	1.15E+05
FD	6.71E+04	1.19E+05	6.72E+04	1.19E+05
L1	6.19E+04	1.12E+05	6.20E+04	1.12E+05
L3	6.31E+04	1.13E+05	6.31E+04	1.13E+05
L4	6.29E+04	1.11E+05	6.30E+04	1.11E+05
NF	—	—	—	—
NS	6.70E+04	1.19E+05	6.73E+04	1.18E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-79. Time history of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

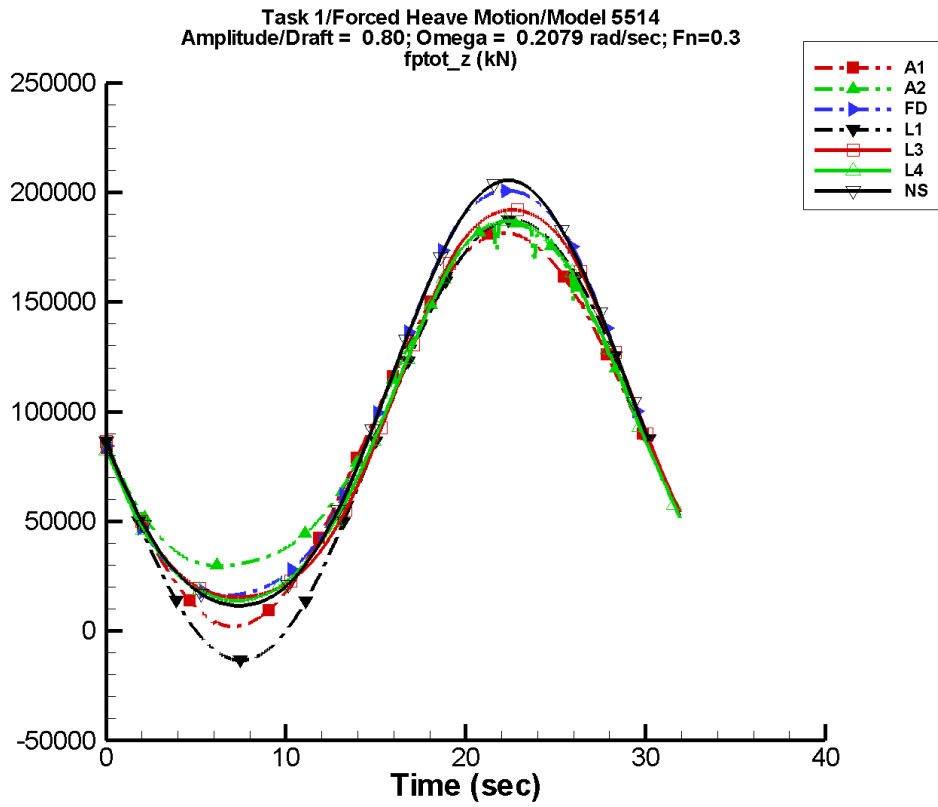
Table B–157. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.19E+04	4.48E+04	-175	144.	-1
A2	9.32E+04	4.29E+04	-176	1.65E+03	-91
FD	9.42E+04	5.09E+04	-176	2.32E+03	-89
L1	8.71E+04	5.02E+04	-179	72.5	80
L3	8.93E+04	4.89E+04	-179	2.28E+03	-91
L4	8.88E+04	4.69E+04	-177	1.66E+03	-89
NF	—	—	—	—	—
NS	9.39E+04	5.09E+04	-177	1.77E+03	-81

Table B–158. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	4.70E+04	1.37E+05	4.71E+04	1.37E+05
A2	5.27E+04	1.37E+05	5.27E+04	1.37E+05
FD	4.60E+04	1.47E+05	4.60E+04	1.47E+05
L1	3.68E+04	1.37E+05	3.68E+04	1.37E+05
L3	4.29E+04	1.40E+05	4.30E+04	1.40E+05
L4	4.33E+04	1.37E+05	4.34E+04	1.37E+05
NF	—	—	—	—
NS	4.49E+04	1.46E+05	4.54E+04	1.46E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-80. Time history of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

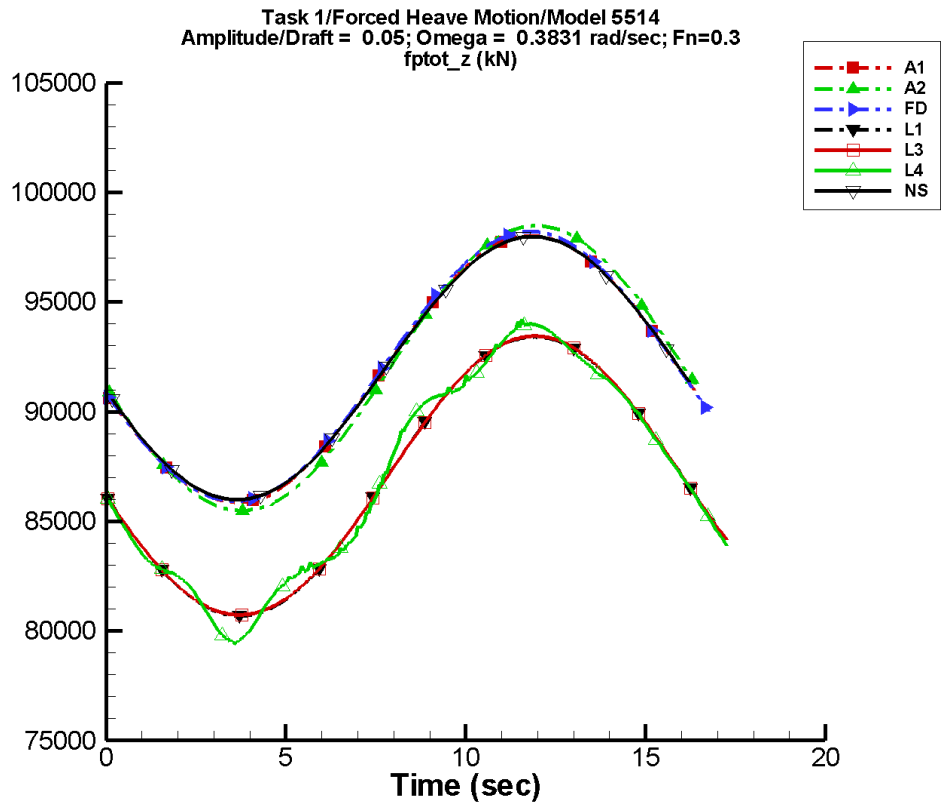
Table B–159. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.18E+04	8.95E+04	-175	287.	-1
A2	9.96E+04	8.01E+04	-175	8.82E+03	-92
FD	1.01E+05	9.55E+04	-176	9.02E+03	-88
L1	8.73E+04	1.00E+05	-179	290.	80
L3	9.60E+04	9.16E+04	-179	8.92E+03	-92
L4	9.40E+04	8.87E+04	-177	7.38E+03	-88
NF	—	—	—	—	—
NS	1.00E+05	9.81E+04	-177	8.10E+03	-80

Table B–160. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	2.09E+03	1.82E+05	2.19E+03	1.81E+05
A2	2.86E+04	1.86E+05	2.96E+04	1.86E+05
FD	1.63E+04	2.01E+05	1.63E+04	2.01E+05
L1	-1.34E+04	1.87E+05	-1.34E+04	1.87E+05
L3	1.54E+04	1.92E+05	1.54E+04	1.92E+05
L4	1.35E+04	1.87E+05	1.38E+04	1.87E+05
NF	—	—	—	—
NS	1.15E+04	2.06E+05	1.18E+04	2.05E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-81. Time history of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

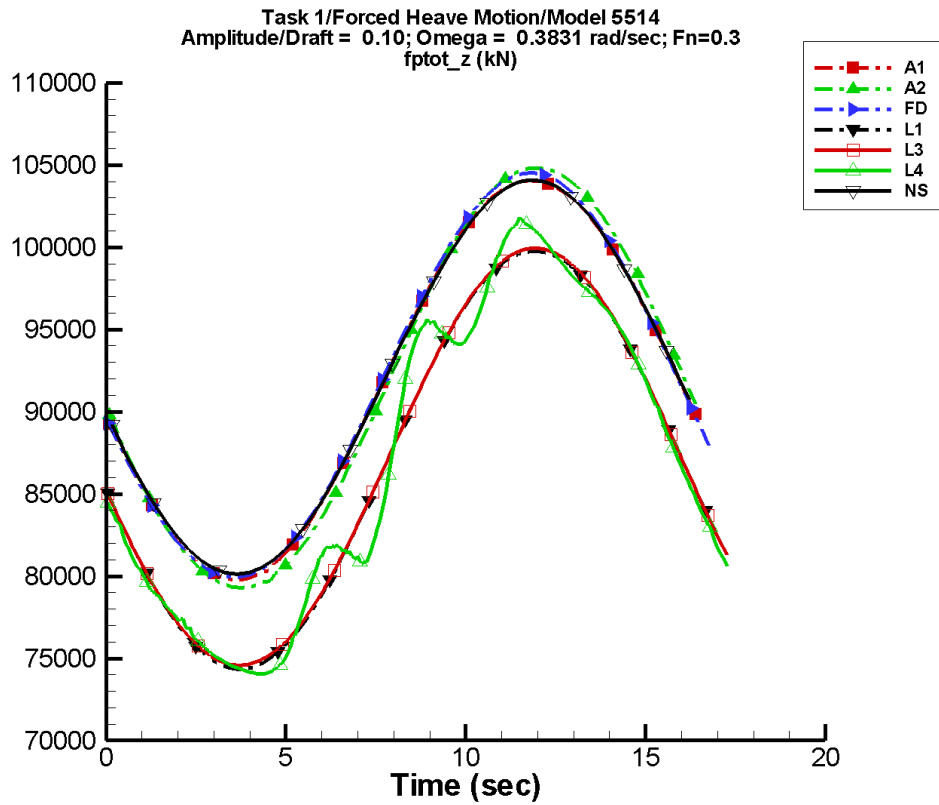
Table B–161. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	6.07E+03	-170	2.13	16
A2	9.20E+04	6.51E+03	-173	18.1	-93
FD	9.20E+04	6.15E+03	-169	27.0	-90
L1	8.71E+04	6.36E+03	-172	3.18	48
L3	8.71E+04	6.36E+03	-172	24.5	-88
L4	8.71E+04	6.45E+03	-170	57.8	71
NF	—	—	—	—	—
NS	9.20E+04	6.01E+03	-170	16.5	-137

Table B–162. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	8.59E+04	9.80E+04	8.59E+04	9.80E+04
A2	8.55E+04	9.85E+04	8.55E+04	9.85E+04
FD	8.59E+04	9.82E+04	8.59E+04	9.82E+04
L1	8.07E+04	9.34E+04	8.07E+04	9.34E+04
L3	8.07E+04	9.35E+04	8.07E+04	9.34E+04
L4	7.94E+04	9.42E+04	7.96E+04	9.40E+04
NF	—	—	—	—
NS	8.60E+04	9.80E+04	8.60E+04	9.79E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-82. Time history of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

Table B–163. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	1.21E+04	-170	4.26	16
A2	9.20E+04	1.28E+04	-173	78.9	-96
FD	9.21E+04	1.23E+04	-169	112.	-90
L1	8.71E+04	1.27E+04	-172	12.8	48
L3	8.72E+04	1.27E+04	-172	102.	-88
L4	8.71E+04	1.28E+04	-171	274.	-50
NF	—	—	—	—	—
NS	9.20E+04	1.20E+04	-170	66.2	-97

Table B–164. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	7.98E+04	1.04E+05	7.98E+04	1.04E+05
A2	7.93E+04	1.05E+05	7.93E+04	1.05E+05
FD	7.99E+04	1.05E+05	8.00E+04	1.04E+05
L1	7.43E+04	9.98E+04	7.44E+04	9.97E+04
L3	7.46E+04	9.99E+04	7.46E+04	9.99E+04
L4	7.41E+04	1.02E+05	7.41E+04	1.01E+05
NF	—	—	—	—
NS	8.01E+04	1.04E+05	8.02E+04	1.04E+05

TASK 1/HEAVE MOTION/MODEL 5514

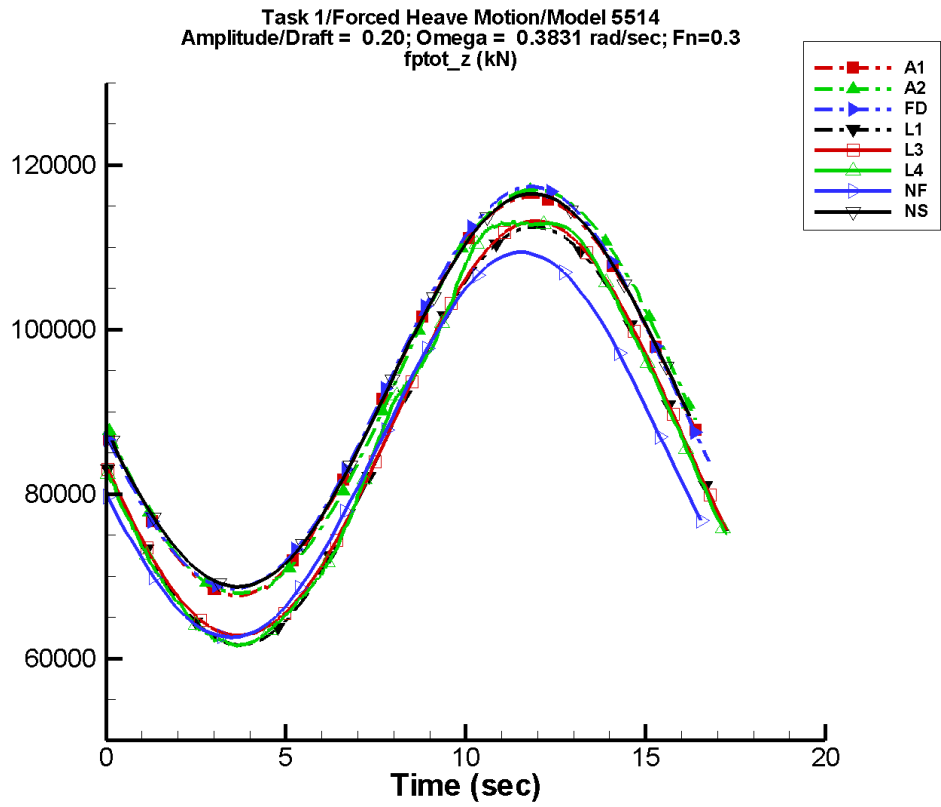


Figure B-83. Time history of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

Table B–165. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	2.42E+04	-170	8.52	16
A2	9.22E+04	2.48E+04	-172	356.	-98
FD	9.25E+04	2.45E+04	-169	491.	-90
L1	8.71E+04	2.54E+04	-172	51.1	48
L3	8.75E+04	2.53E+04	-172	452.	-89
L4	8.74E+04	2.60E+04	-170	325.	-61
NF	8.60E+04	2.40E+04	-152	648.	-7
NS	9.23E+04	2.39E+04	-170	307.	-75

Table B–166. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	6.76E+04	1.16E+05	6.77E+04	1.16E+05
A2	6.79E+04	1.17E+05	6.80E+04	1.17E+05
FD	6.85E+04	1.17E+05	6.86E+04	1.17E+05
L1	6.16E+04	1.12E+05	6.17E+04	1.12E+05
L3	6.28E+04	1.13E+05	6.28E+04	1.13E+05
L4	6.15E+04	1.13E+05	6.17E+04	1.13E+05
NF	6.19E+04	1.12E+05	6.21E+04	1.12E+05
NS	6.87E+04	1.17E+05	6.89E+04	1.16E+05

TASK 1/HEAVE MOTION/MODEL 5514

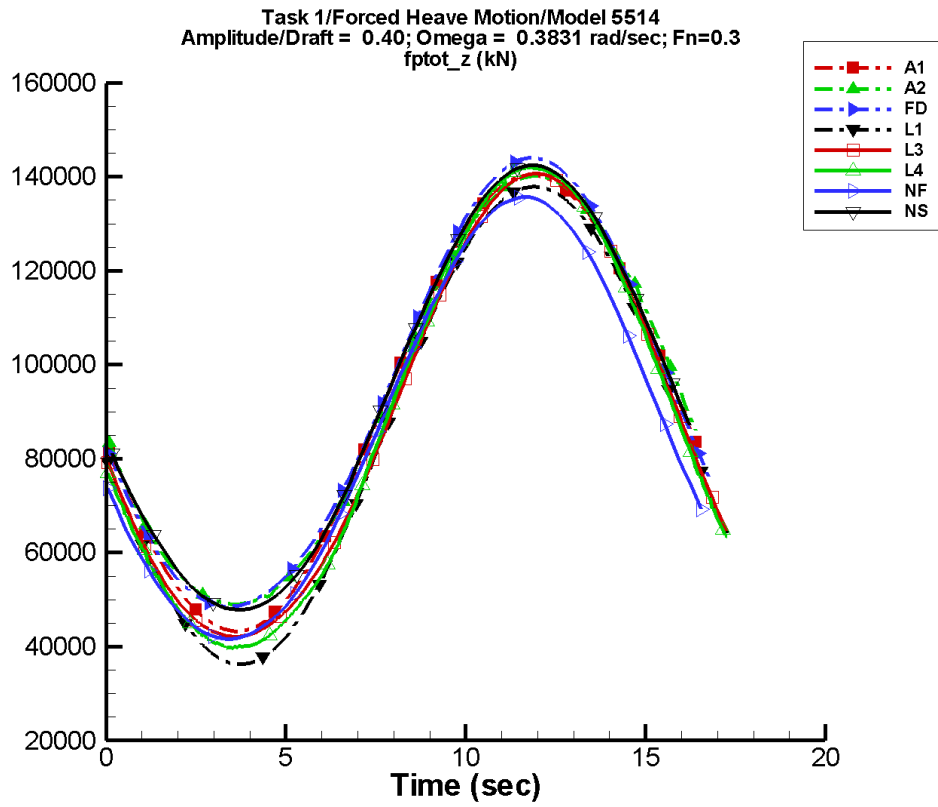


Figure B-84. Time history of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

Table B-167. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.19E+04	4.85E+04	-170	17.0	16
A2	9.33E+04	4.63E+04	-172	1.66E+03	-97
FD	9.42E+04	4.80E+04	-169	2.30E+03	-89
L1	8.72E+04	5.08E+04	-172	205.	48
L3	8.93E+04	4.96E+04	-172	2.13E+03	-90
L4	8.88E+04	5.14E+04	-170	2.06E+03	-73
NF	8.75E+04	4.77E+04	-152	1.92E+03	-25
NS	9.36E+04	4.75E+04	-170	1.43E+03	-63

Table B-168. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	4.33E+04	1.40E+05	4.35E+04	1.40E+05
A2	4.90E+04	1.40E+05	4.92E+04	1.40E+05
FD	4.85E+04	1.44E+05	4.87E+04	1.44E+05
L1	3.62E+04	1.38E+05	3.63E+04	1.38E+05
L3	4.21E+04	1.41E+05	4.22E+04	1.41E+05
L4	3.97E+04	1.42E+05	3.99E+04	1.42E+05
NF	4.13E+04	1.39E+05	4.15E+04	1.39E+05
NS	4.78E+04	1.43E+05	4.82E+04	1.42E+05

TASK 1/HEAVE MOTION/MODEL 5514

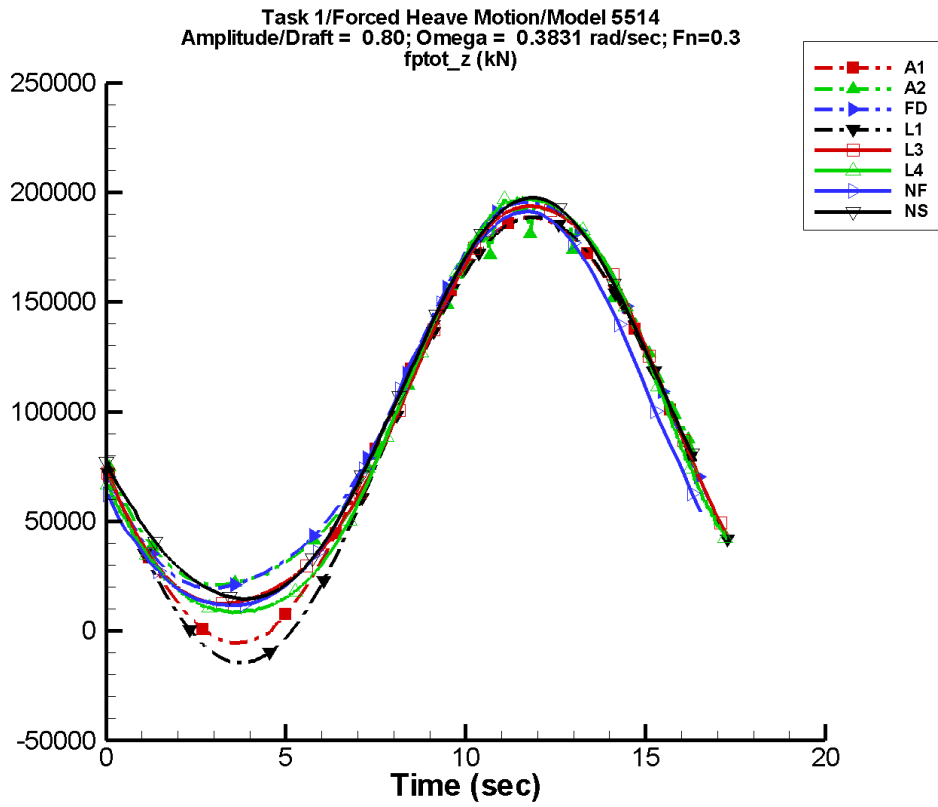


Figure B-85. Time history of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

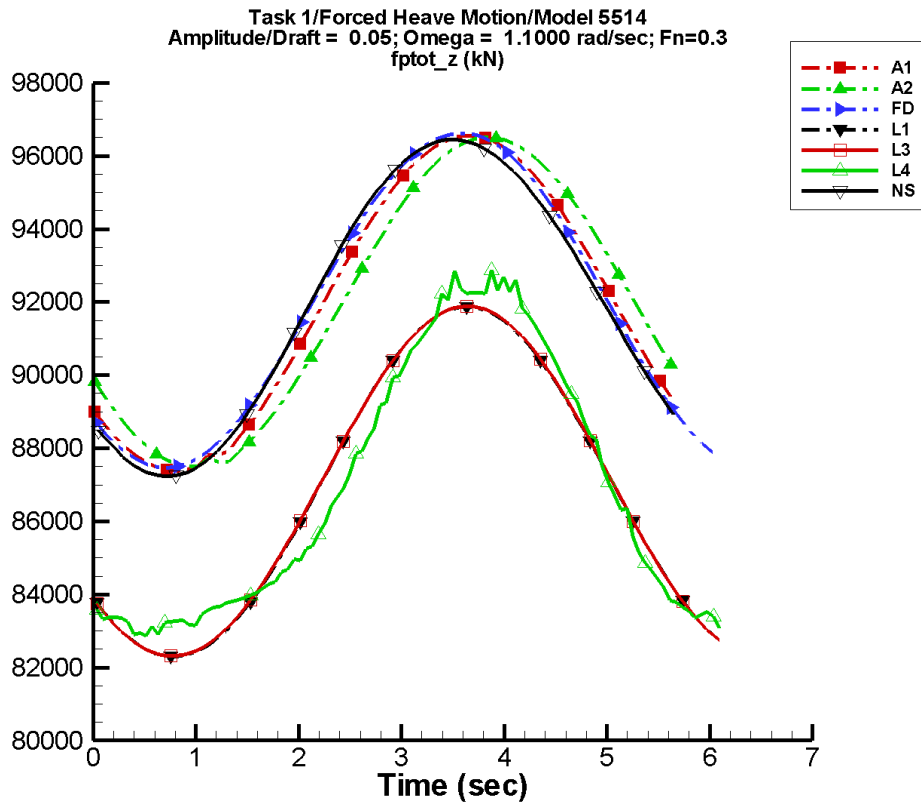
Table B–169. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.19E+04	9.69E+04	-170	34.1	16
A2	9.96E+04	8.70E+04	-171	8.80E+03	-96
FD	1.01E+05	8.99E+04	-168	8.78E+03	-89
L1	8.76E+04	1.02E+05	-172	819.	48
L3	9.62E+04	9.33E+04	-171	8.17E+03	-91
L4	9.50E+04	9.74E+04	-170	8.60E+03	-72
NF	9.42E+04	9.19E+04	-153	8.16E+03	-33
NS	9.95E+04	9.19E+04	-171	6.68E+03	-63

Table B–170. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-5.42E+03	1.89E+05	-5.02E+03	1.88E+05
A2	2.11E+04	1.93E+05	2.13E+04	1.92E+05
FD	1.95E+04	1.96E+05	1.97E+04	1.95E+05
L1	-1.45E+04	1.89E+05	-1.44E+04	1.89E+05
L3	1.25E+04	1.94E+05	1.25E+04	1.94E+05
L4	8.20E+03	1.98E+05	8.63E+03	1.97E+05
NF	1.14E+04	1.96E+05	1.16E+04	1.95E+05
NS	1.46E+04	1.98E+05	1.49E+04	1.97E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-86. Time history of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

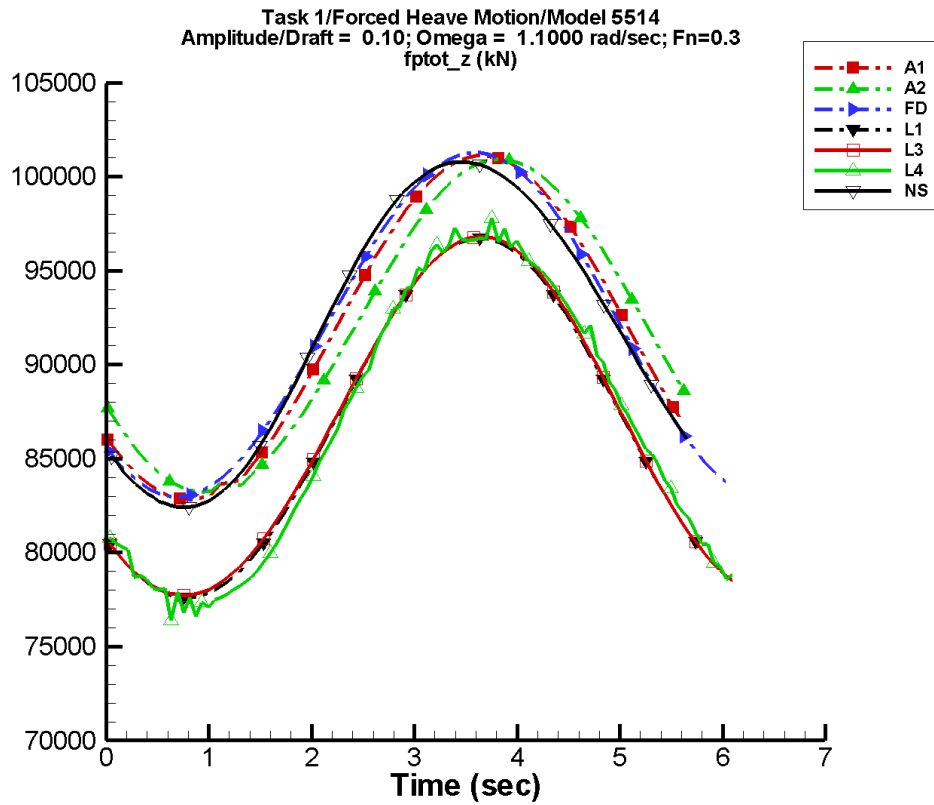
Table B–171. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.19E+04	4.60E+03	-141	32.9	49
A2	9.20E+04	4.53E+03	-153	17.9	25
FD	9.20E+04	4.58E+03	-135	27.0	-90
L1	8.70E+04	4.78E+03	-139	45.2	-2
L3	8.71E+04	4.78E+03	-139	50.0	-34
L4	8.71E+04	4.73E+03	-145	909.	-39
NF	—	—	—	—	—
NS	9.19E+04	4.60E+03	-133	131.	125

Table B–172. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	8.70E+04	9.66E+04	8.75E+04	9.64E+04
A2	8.72E+04	9.65E+04	8.75E+04	9.64E+04
FD	8.75E+04	9.66E+04	8.76E+04	9.65E+04
L1	8.23E+04	9.19E+04	8.23E+04	9.18E+04
L3	8.23E+04	9.19E+04	8.24E+04	9.18E+04
L4	8.29E+04	9.29E+04	8.31E+04	9.25E+04
NF	—	—	—	—
NS	8.72E+04	9.64E+04	8.73E+04	9.64E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-87. Time history of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

Table B–173. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.19E+04	9.19E+03	-141	65.7	49
A2	9.20E+04	8.89E+03	-152	31.8	-50
FD	9.21E+04	9.15E+03	-135	113.	-90
L1	8.70E+04	9.55E+03	-139	181.	-3
L3	8.71E+04	9.53E+03	-139	205.	-36
L4	8.70E+04	9.95E+03	-143	276.	56
NF	—	—	—	—	—
NS	9.18E+04	9.18E+03	-133	471.	123

Table B–174. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	8.20E+04	1.01E+05	8.30E+04	1.01E+05
A2	8.26E+04	1.01E+05	8.32E+04	1.01E+05
FD	8.30E+04	1.01E+05	8.33E+04	1.01E+05
L1	7.76E+04	9.67E+04	7.77E+04	9.66E+04
L3	7.77E+04	9.68E+04	7.78E+04	9.67E+04
L4	7.64E+04	9.78E+04	7.72E+04	9.69E+04
NF	—	—	—	—
NS	8.24E+04	1.01E+05	8.25E+04	1.01E+05

TASK 1/HEAVE MOTION/MODEL 5514

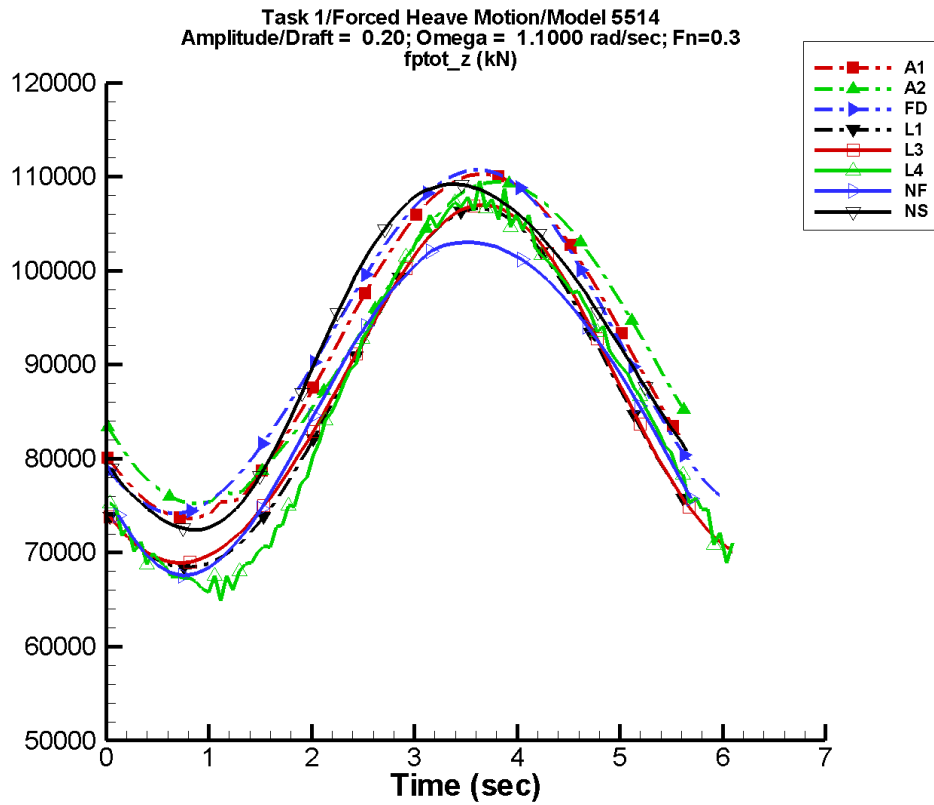


Figure B-88. Time history of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

Table B–175. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.19E+04	1.84E+04	-141	131.	49
A2	9.22E+04	1.71E+04	-151	229.	-94
FD	9.25E+04	1.82E+04	-135	498.	-90
L1	8.68E+04	1.91E+04	-139	725.	-3
L3	8.73E+04	1.90E+04	-139	851.	-39
L4	8.69E+04	2.04E+04	-144	1.33E+03	76
NF	8.67E+04	1.76E+04	-134	1.45E+03	169
NS	9.16E+04	1.84E+04	-134	1.77E+03	118

Table B–176. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	7.20E+04	1.10E+05	7.41E+04	1.10E+05
A2	7.37E+04	1.09E+05	7.54E+04	1.09E+05
FD	7.42E+04	1.11E+05	7.48E+04	1.10E+05
L1	6.84E+04	1.07E+05	6.86E+04	1.06E+05
L3	6.89E+04	1.07E+05	6.91E+04	1.07E+05
L4	6.49E+04	1.10E+05	6.66E+04	1.07E+05
NF	6.73E+04	1.03E+05	6.86E+04	1.02E+05
NS	7.24E+04	1.09E+05	7.26E+04	1.09E+05

TASK 1/HEAVE MOTION/MODEL 5514

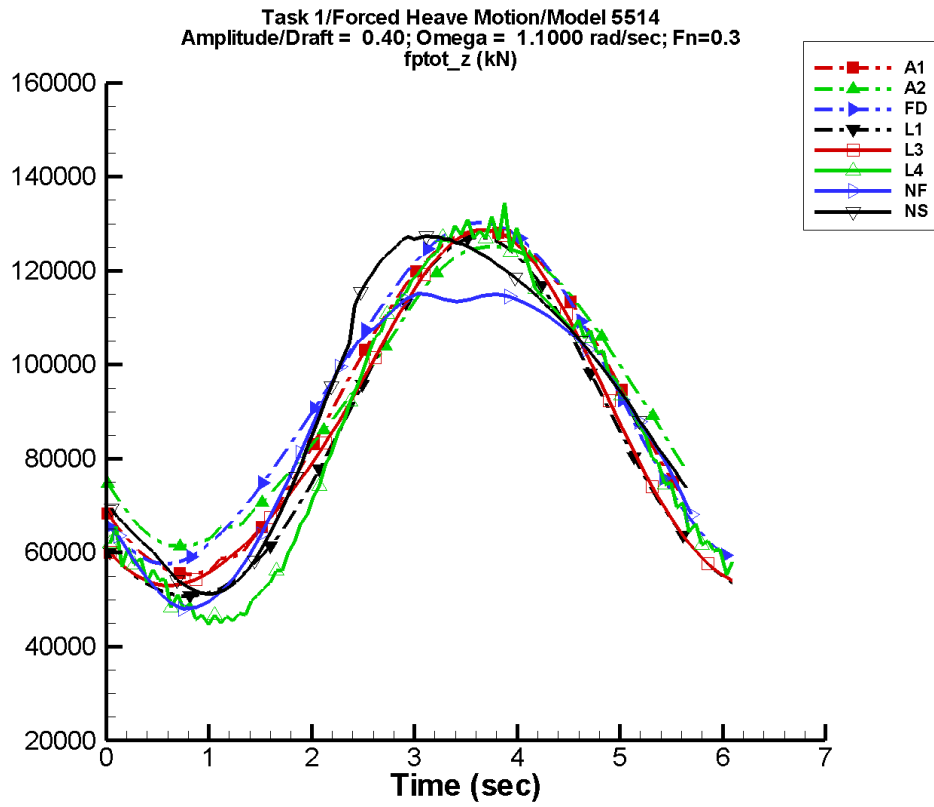


Figure B-89. Time history of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

Table B–177. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.18E+04	3.68E+04	-141	263.	49
A2	9.32E+04	3.16E+04	-147	1.37E+03	-102
FD	9.42E+04	3.58E+04	-134	2.35E+03	-90
L1	8.61E+04	3.82E+04	-139	2.90E+03	-4
L3	8.82E+04	3.73E+04	-138	3.61E+03	-44
L4	8.72E+04	4.11E+04	-145	4.14E+03	68
NF	8.80E+04	3.33E+04	-138	6.77E+03	156
NS	9.19E+04	3.69E+04	-136	7.34E+03	108

Table B–178. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	5.20E+04	1.29E+05	5.62E+04	1.27E+05
A2	5.77E+04	1.25E+05	6.23E+04	1.24E+05
FD	5.76E+04	1.30E+05	5.89E+04	1.29E+05
L1	5.08E+04	1.27E+05	5.11E+04	1.27E+05
L3	5.30E+04	1.29E+05	5.33E+04	1.28E+05
L4	4.41E+04	1.35E+05	4.59E+04	1.29E+05
NF	4.81E+04	1.15E+05	5.13E+04	1.14E+05
NS	5.11E+04	1.28E+05	5.16E+04	1.27E+05

TASK 1/HEAVE MOTION/MODEL 5514

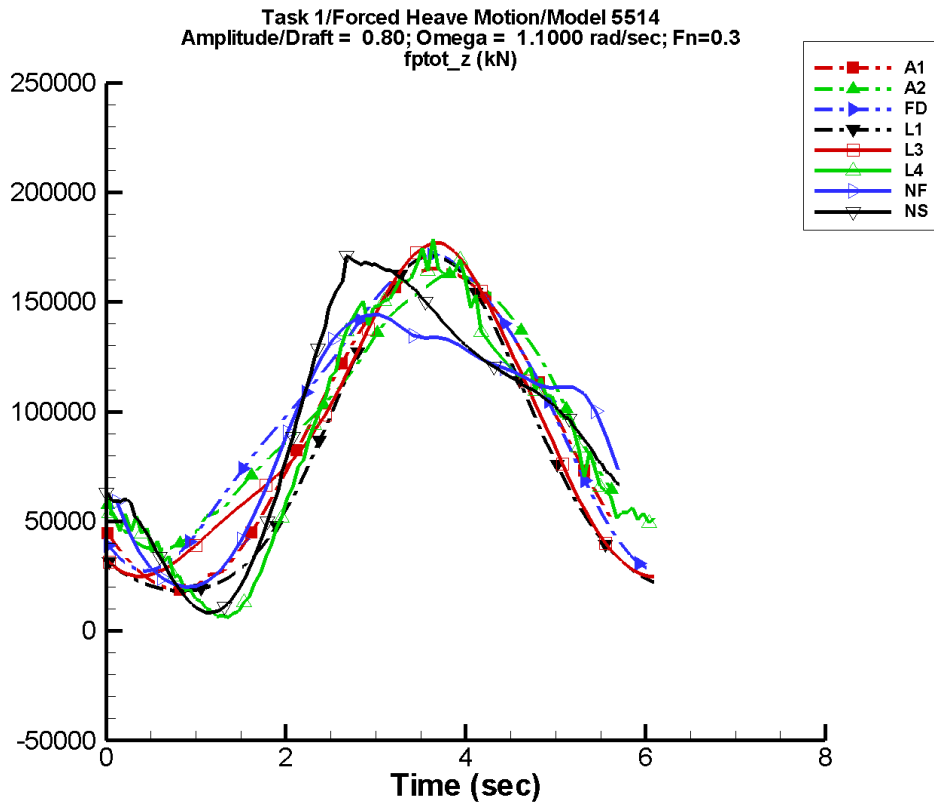


Figure B-90. Time history of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

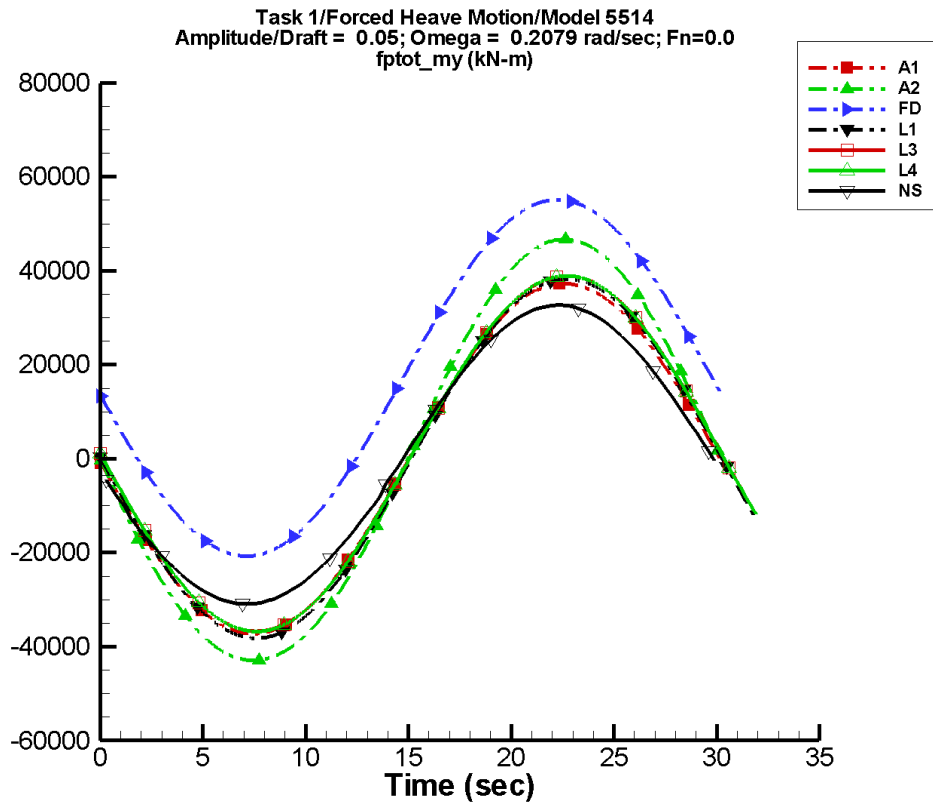
Table B–179. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.16E+04	7.36E+04	-141	525.	49
A2	9.96E+04	5.93E+04	-144	8.52E+03	-102
FD	1.01E+05	6.75E+04	-130	9.29E+03	-90
L1	8.32E+04	7.64E+04	-139	1.16E+04	-4
L3	9.18E+04	7.04E+04	-134	1.44E+04	-44
L4	9.02E+04	7.31E+04	-146	1.64E+04	69
NF	9.32E+04	5.65E+04	-136	2.07E+04	145
NS	9.39E+04	6.71E+04	-136	2.59E+04	104

Table B–180. Minimum and maximum of F_z^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	1.20E+04	1.65E+05	2.05E+04	1.63E+05
A2	3.06E+04	1.63E+05	4.02E+04	1.60E+05
FD	2.73E+04	1.72E+05	3.08E+04	1.68E+05
L1	1.83E+04	1.71E+05	1.87E+04	1.70E+05
L3	2.48E+04	1.77E+05	2.58E+04	1.75E+05
L4	6.18E+03	1.79E+05	8.42E+03	1.68E+05
NF	1.99E+04	1.44E+05	2.45E+04	1.40E+05
NS	8.28E+03	1.72E+05	9.16E+03	1.69E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-91. Time history of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

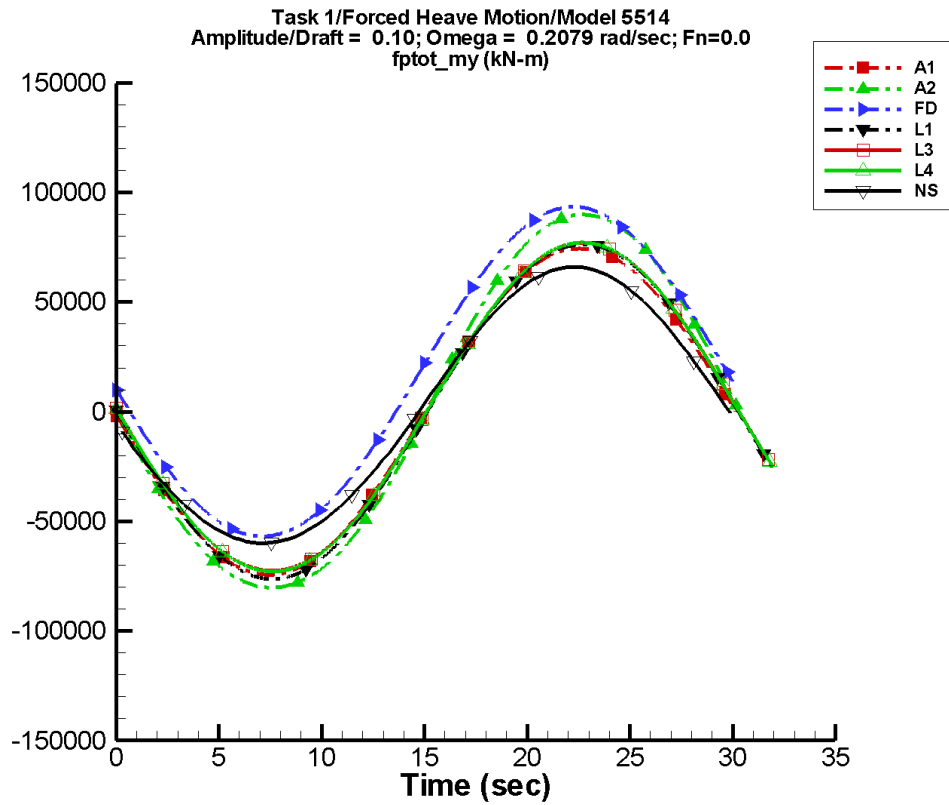
Table B–181. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-0.458	3.73E+04	-179	2.06	169
A2	1.25E+03	4.51E+04	-179	646.	-93
FD	1.70E+04	3.79E+04	-175	148.	-89
L1	4.30	3.82E+04	179	5.31	88
L3	942.	3.78E+04	179	155.	-91
L4	919.	3.78E+04	179	163.	-75
NF	—	—	—	—	—
NS	402.	3.20E+04	-175	516.	-87

Table B–182. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-3.73E+04	3.73E+04	-3.73E+04	3.72E+04
A2	-4.29E+04	4.67E+04	-4.30E+04	4.66E+04
FD	-2.07E+04	5.51E+04	-2.07E+04	5.52E+04
L1	-3.82E+04	3.82E+04	-3.82E+04	3.82E+04
L3	-3.67E+04	3.89E+04	-3.67E+04	3.89E+04
L4	-3.68E+04	3.89E+04	-3.68E+04	3.89E+04
NF	—	—	—	—
NS	-3.09E+04	3.28E+04	-3.06E+04	3.24E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-92. Time history of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

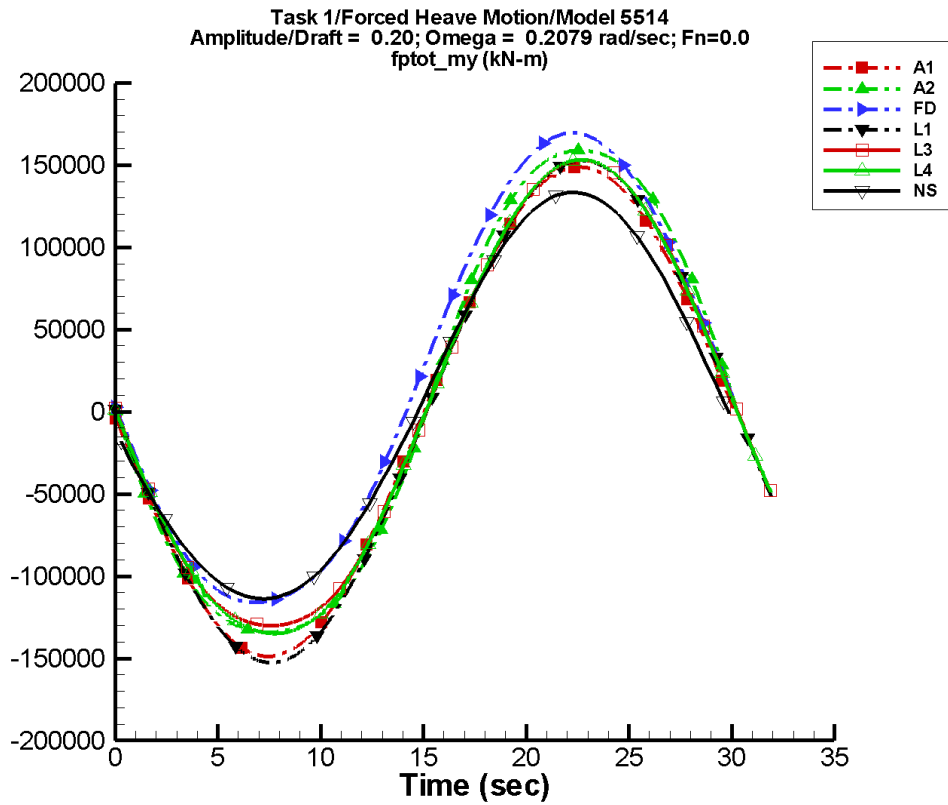
Table B–183. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-0.910	7.44E+04	-179	4.10	169
A2	2.83E+03	8.64E+04	180	2.32E+03	-95
FD	1.76E+04	7.54E+04	-175	751.	-88
L1	17.3	7.63E+04	179	19.4	87
L3	1.51E+03	7.51E+04	179	795.	-92
L4	1.40E+03	7.52E+04	179	776.	-78
NF	—	—	—	—	—
NS	1.66E+03	6.31E+04	-175	1.57E+03	-86

Table B–184. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-7.44E+04	7.44E+04	-7.45E+04	7.43E+04
A2	-8.02E+04	8.99E+04	-8.03E+04	8.98E+04
FD	-5.68E+04	9.35E+04	-5.67E+04	9.36E+04
L1	-7.63E+04	7.63E+04	-7.63E+04	7.63E+04
L3	-7.25E+04	7.71E+04	-7.25E+04	7.71E+04
L4	-7.29E+04	7.72E+04	-7.28E+04	7.71E+04
NF	—	—	—	—
NS	-6.00E+04	6.62E+04	-5.94E+04	6.55E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-93. Time history of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

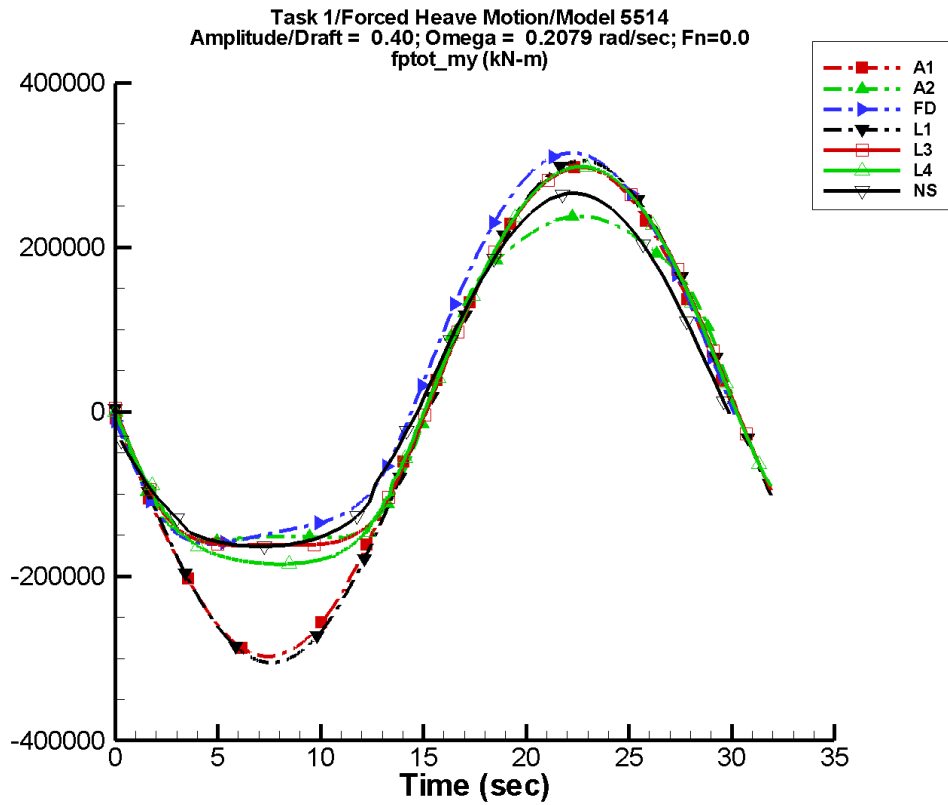
Table B–185. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-1.82	1.49E+05	-179	8.20	168
A2	6.99E+03	1.54E+05	180	6.86E+03	-97
FD	2.11E+04	1.45E+05	-175	5.35E+03	-88
L1	69.9	1.53E+05	179	74.2	86
L3	5.23E+03	1.45E+05	179	5.86E+03	-92
L4	4.42E+03	1.46E+05	179	4.64E+03	-82
NF	—	—	—	—	—
NS	5.50E+03	1.24E+05	-175	4.75E+03	-83

Table B–186. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.49E+05	1.49E+05	-1.49E+05	1.49E+05
A2	-1.34E+05	1.59E+05	-1.35E+05	1.59E+05
FD	-1.16E+05	1.70E+05	-1.16E+05	1.70E+05
L1	-1.53E+05	1.53E+05	-1.53E+05	1.53E+05
L3	-1.30E+05	1.53E+05	-1.30E+05	1.53E+05
L4	-1.35E+05	1.53E+05	-1.35E+05	1.53E+05
NF	—	—	—	—
NS	-1.14E+05	1.34E+05	-1.13E+05	1.32E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-94. Time history of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

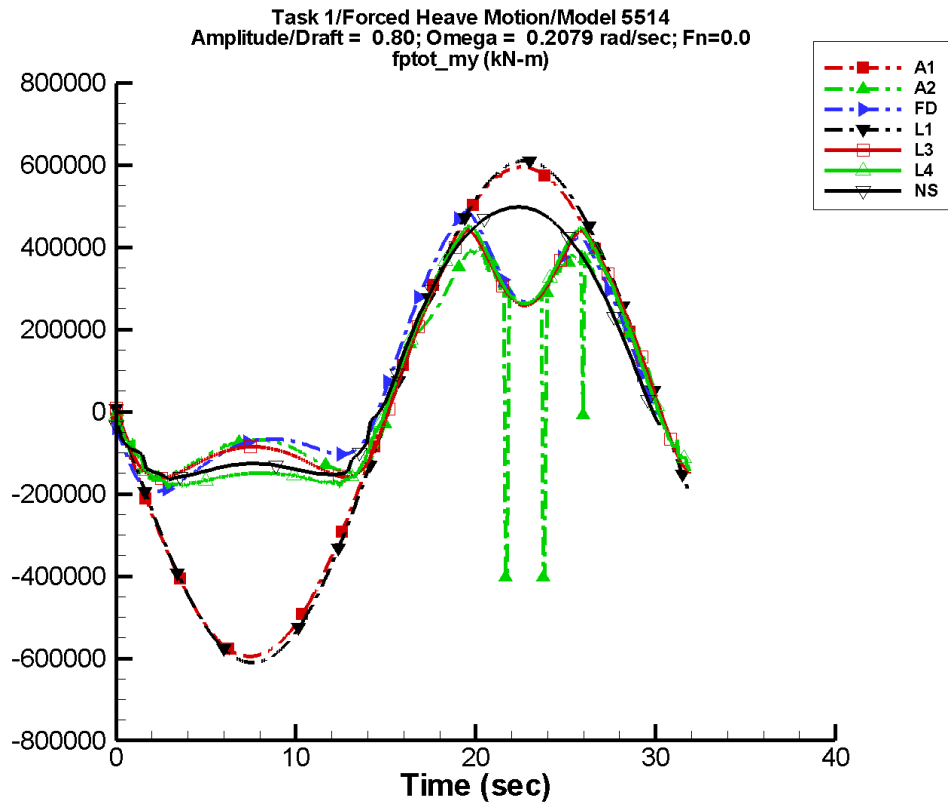
Table B–187. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-3.63	2.98E+05	-179	16.4	169
A2	2.03E+04	2.20E+05	-179	2.49E+04	-98
FD	4.64E+04	2.48E+05	-174	3.67E+04	-88
L1	281.	3.05E+05	179	290.	86
L3	3.12E+04	2.45E+05	180	3.85E+04	-92
L4	2.72E+04	2.54E+05	180	3.10E+04	-88
NF	—	—	—	—	—
NS	2.56E+04	2.24E+05	-175	2.48E+04	-81

Table B–188. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-2.98E+05	2.98E+05	-2.98E+05	2.97E+05
A2	-1.57E+05	2.38E+05	-1.57E+05	2.38E+05
FD	-1.61E+05	3.15E+05	-1.61E+05	3.15E+05
L1	-3.05E+05	3.05E+05	-3.05E+05	3.05E+05
L3	-1.62E+05	2.97E+05	-1.62E+05	2.97E+05
L4	-1.85E+05	2.98E+05	-1.85E+05	2.98E+05
NF	—	—	—	—
NS	-1.64E+05	2.66E+05	-1.63E+05	2.64E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-95. Time history of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

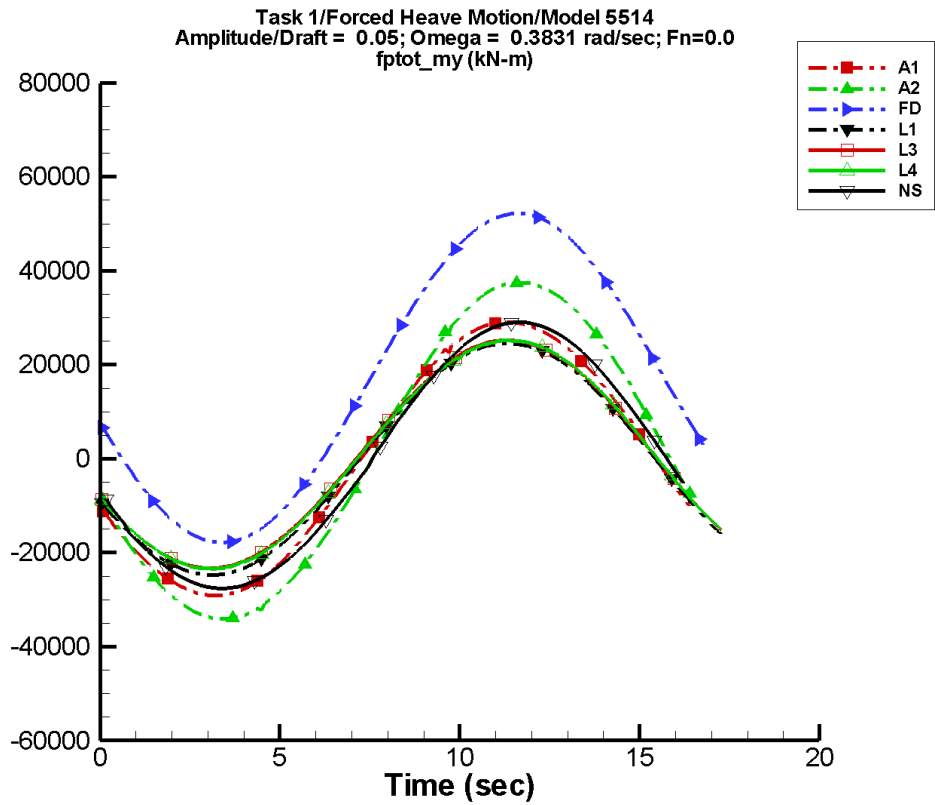
Table B–189. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-7.29	5.95E+05	-179	32.8	169
A2	6.39E+04	2.39E+05	-177	5.82E+04	-95
FD	9.60E+04	2.91E+05	-167	6.90E+04	-79
L1	1.13E+03	6.10E+05	179	1.15E+03	85
L3	8.34E+04	2.82E+05	-179	7.22E+04	-94
L4	7.23E+04	3.12E+05	-178	5.15E+04	-91
NF	—	—	—	—	—
NS	1.01E+05	3.42E+05	-175	9.00E+04	-81

Table B–190. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-5.95E+05	5.95E+05	-5.96E+05	5.95E+05
A2	-4.03E+05	4.05E+05	-1.63E+05	3.93E+05
FD	-1.94E+05	4.90E+05	-1.93E+05	4.82E+05
L1	-6.11E+05	6.11E+05	-6.10E+05	6.10E+05
L3	-1.62E+05	4.42E+05	-1.61E+05	4.39E+05
L4	-1.87E+05	4.51E+05	-1.79E+05	4.49E+05
NF	—	—	—	—
NS	-1.65E+05	4.98E+05	-1.59E+05	4.96E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-96. Time history of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

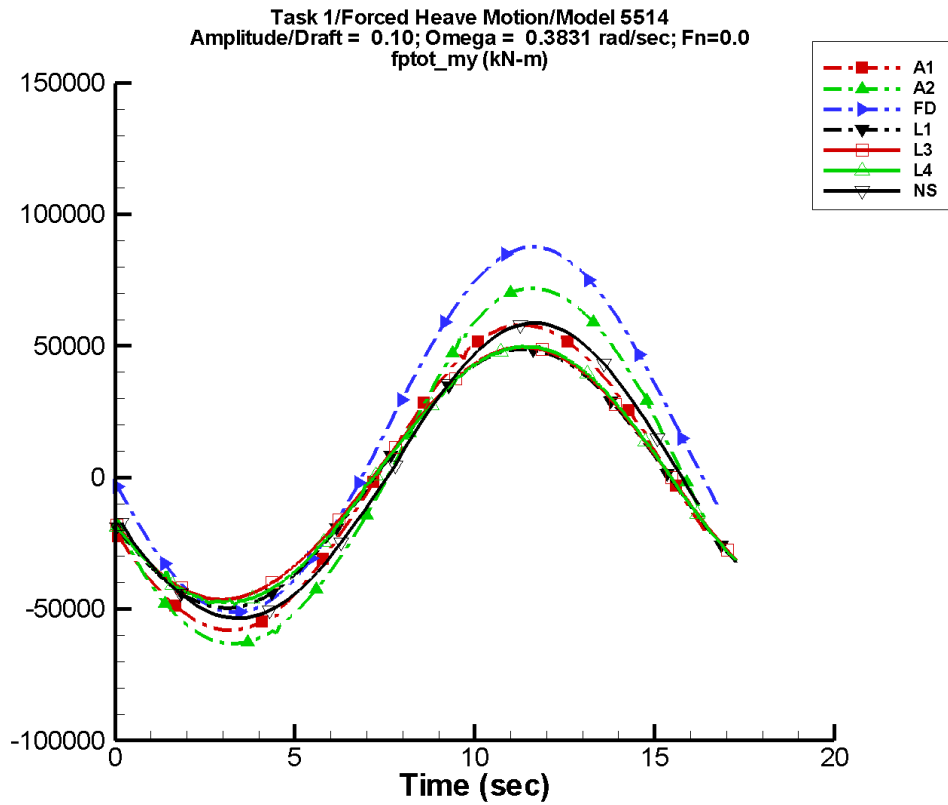
Table B–191. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-10.7	2.91E+04	-159	50.7	29
A2	1.24E+03	3.60E+04	-167	617.	-93
FD	1.70E+04	3.50E+04	-165	147.	-90
L1	-46.8	2.46E+04	-159	74.1	-179
L3	891.	2.43E+04	-158	180.	-117
L4	780.	2.43E+04	-159	244.	-124
NF	—	—	—	—	—
NS	314.	2.85E+04	-166	440.	-80

Table B–192. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-3.00E+04	2.90E+04	-2.90E+04	2.89E+04
A2	-3.50E+04	3.75E+04	-3.40E+04	3.73E+04
FD	-1.79E+04	5.22E+04	-1.77E+04	5.21E+04
L1	-2.47E+04	2.45E+04	-2.47E+04	2.45E+04
L3	-2.33E+04	2.52E+04	-2.33E+04	2.52E+04
L4	-2.35E+04	2.52E+04	-2.34E+04	2.51E+04
NF	—	—	—	—
NS	-2.76E+04	2.91E+04	-2.73E+04	2.88E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-97. Time history of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

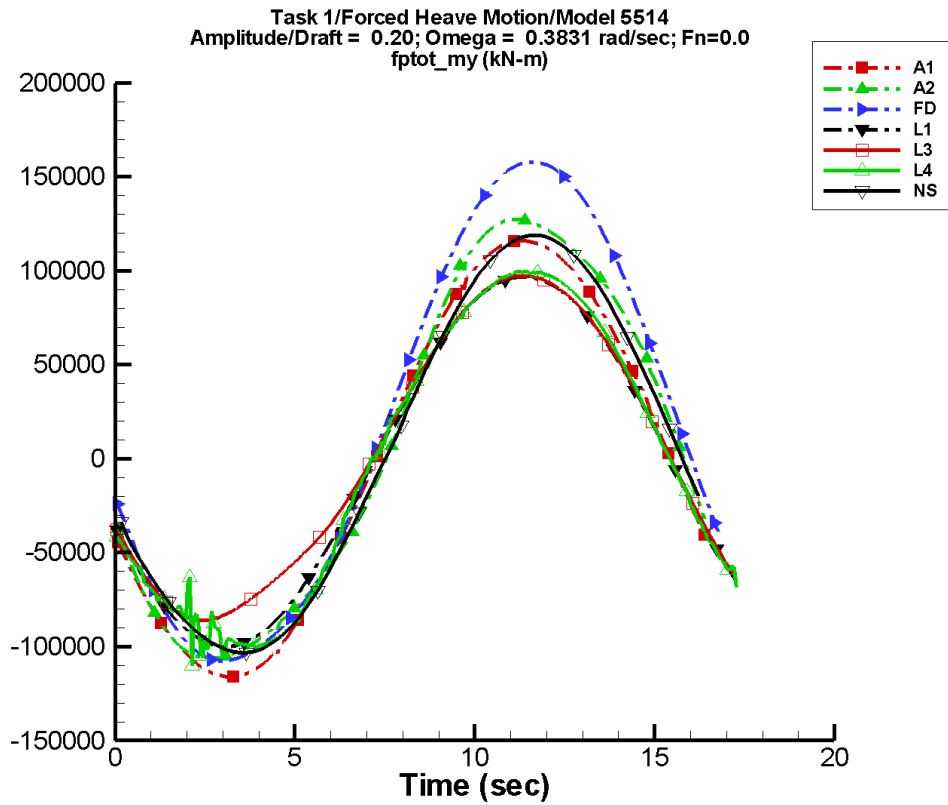
Table B–193. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-21.3	5.81E+04	-159	101.	29
A2	2.81E+03	6.84E+04	-166	2.27E+03	-95
FD	1.76E+04	6.95E+04	-165	737.	-89
L1	-196.	4.92E+04	-159	290.	179
L3	1.29E+03	4.80E+04	-158	840.	-115
L4	748.	4.88E+04	-159	759.	-117
NF	—	—	—	—	—
NS	1.43E+03	5.62E+04	-166	1.29E+03	-79

Table B–194. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-5.98E+04	5.80E+04	-5.79E+04	5.78E+04
A2	-6.50E+04	7.19E+04	-6.29E+04	7.17E+04
FD	-5.12E+04	8.76E+04	-5.09E+04	8.73E+04
L1	-4.96E+04	4.88E+04	-4.95E+04	4.87E+04
L3	-4.64E+04	4.95E+04	-4.63E+04	4.95E+04
L4	-4.83E+04	4.97E+04	-4.74E+04	4.96E+04
NF	—	—	—	—
NS	-5.35E+04	5.88E+04	-5.30E+04	5.82E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-98. Time history of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

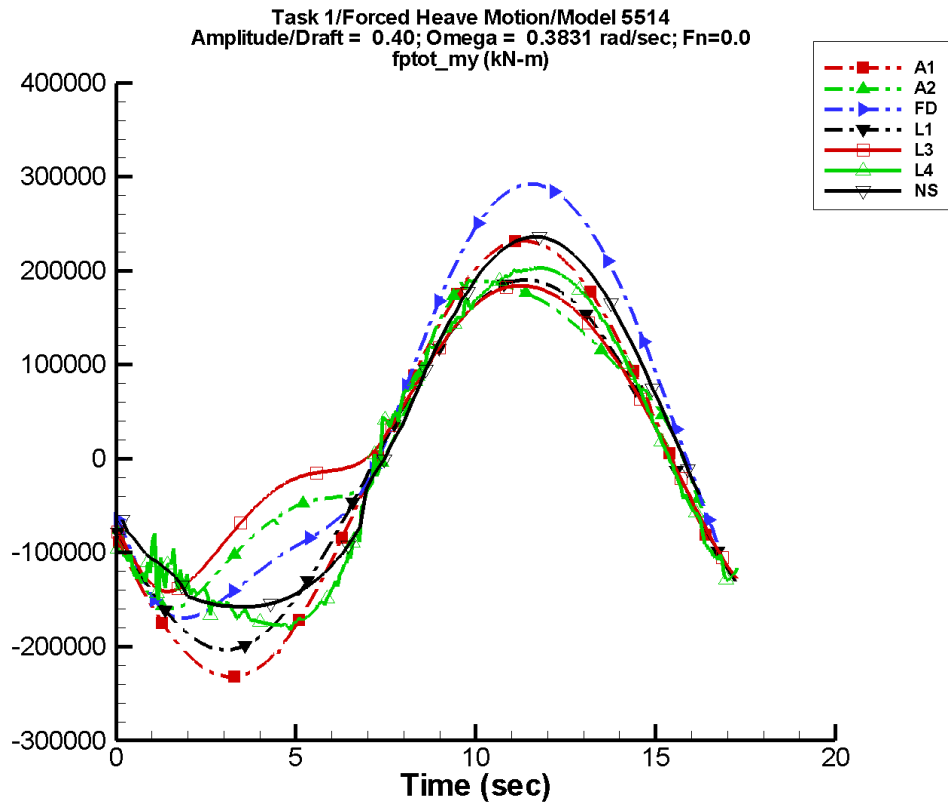
Table B–195. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-42.7	1.16E+05	-159	203.	29
A2	6.90E+03	1.19E+05	-163	6.75E+03	-100
FD	2.10E+04	1.34E+05	-164	5.21E+03	-88
L1	-805.	9.84E+04	-159	1.15E+03	178
L3	4.33E+03	9.12E+04	-157	5.60E+03	-108
L4	-664.	1.01E+05	-160	1.63E+03	8
NF	—	—	—	—	—
NS	4.67E+03	1.11E+05	-166	3.37E+03	-67

Table B–196. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.20E+05	1.16E+05	-1.16E+05	1.16E+05
A2	-1.33E+05	1.27E+05	-1.09E+05	1.27E+05
FD	-1.08E+05	1.58E+05	-1.07E+05	1.57E+05
L1	-1.00E+05	9.67E+04	-9.98E+04	9.66E+04
L3	-8.61E+04	9.73E+04	-8.59E+04	9.72E+04
L4	-1.10E+05	9.97E+04	-9.96E+04	9.93E+04
NF	—	—	—	—
NS	-1.03E+05	1.19E+05	-1.02E+05	1.18E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-99. Time history of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

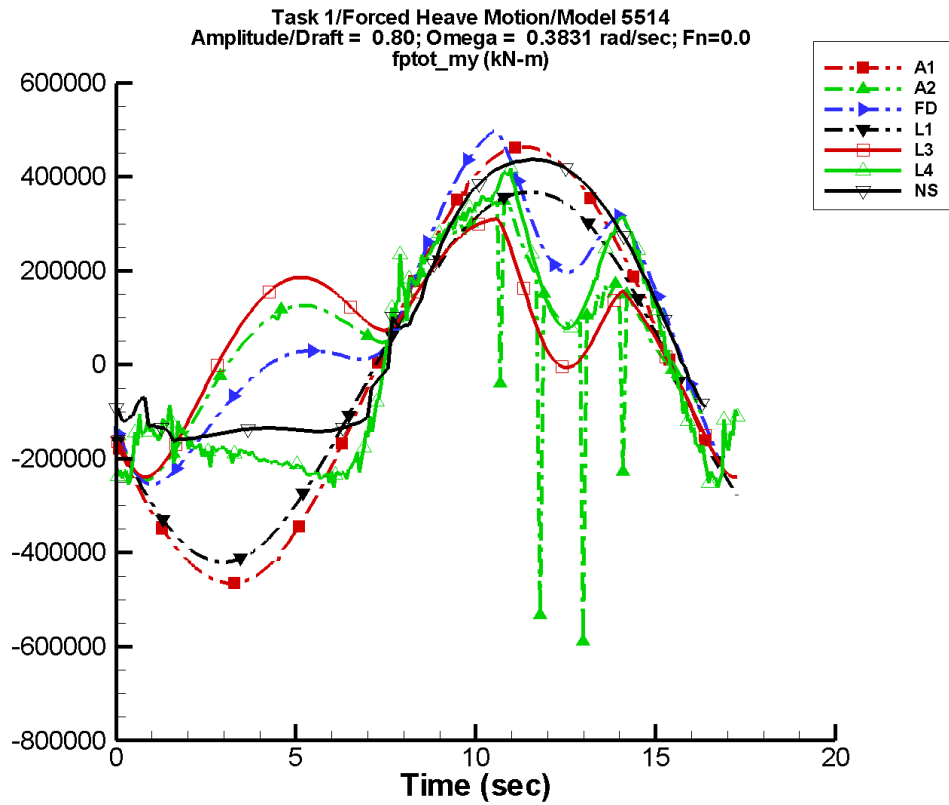
Table B–197. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-85.4	2.32E+05	-159	405.	29
A2	2.03E+04	1.59E+05	-152	2.48E+04	-99
FD	4.62E+04	2.27E+05	-161	3.57E+04	-88
L1	-3.26E+03	1.97E+05	-159	4.58E+03	177
L3	2.73E+04	1.45E+05	-149	3.65E+04	-103
L4	3.08E+03	1.95E+05	-162	2.07E+04	-23
NF	—	—	—	—	—
NS	2.04E+04	2.03E+05	-166	1.87E+04	-56

Table B–198. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-2.39E+05	2.32E+05	-2.32E+05	2.31E+05
A2	-1.59E+05	1.89E+05	-1.58E+05	1.88E+05
FD	-1.70E+05	2.92E+05	-1.69E+05	2.91E+05
L1	-2.03E+05	1.90E+05	-2.03E+05	1.90E+05
L3	-1.41E+05	1.84E+05	-1.41E+05	1.84E+05
L4	-1.82E+05	2.03E+05	-1.77E+05	2.03E+05
NF	—	—	—	—
NS	-1.58E+05	2.36E+05	-1.57E+05	2.34E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-100. Time history of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

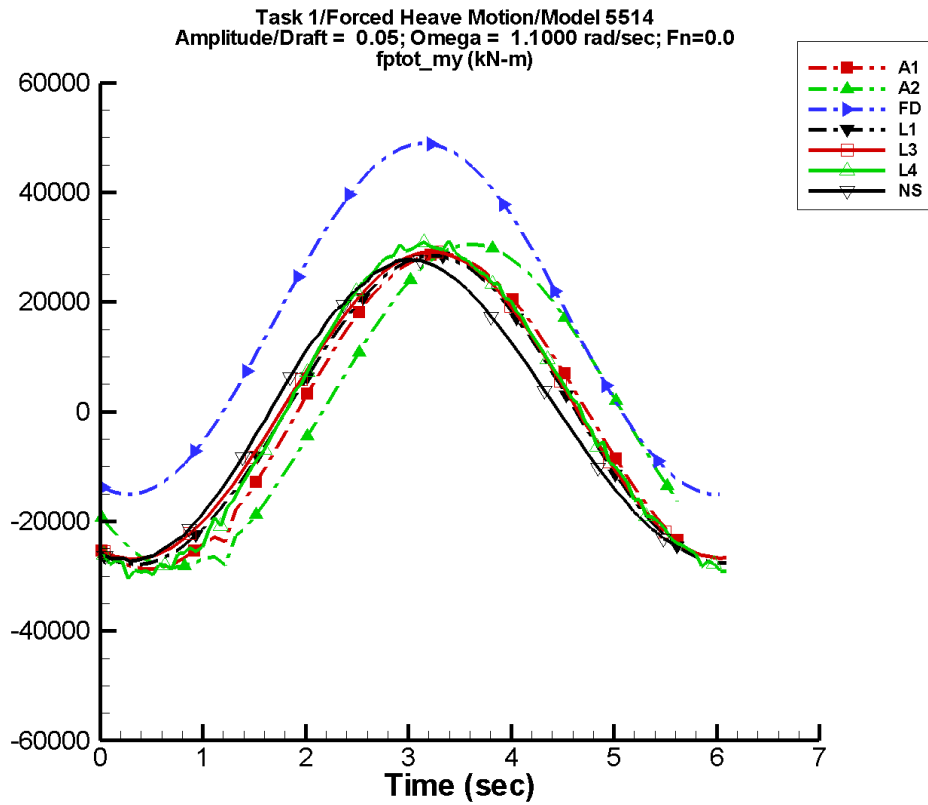
Table B–199. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-171.	4.64E+05	-159	811.	29
A2	6.11E+04	1.76E+05	-115	5.74E+04	-99
FD	9.60E+04	2.66E+05	-144	5.87E+04	-84
L1	-1.31E+04	3.93E+05	-159	1.83E+04	177
L3	6.68E+04	1.68E+05	-105	6.79E+04	-115
L4	1.31E+04	2.77E+05	-159	5.51E+04	1
NF	—	—	—	—	—
NS	8.39E+04	3.12E+05	-166	7.24E+04	-60

Table B–200. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-4.79E+05	4.64E+05	-4.64E+05	4.62E+05
A2	-5.89E+05	3.50E+05	-2.36E+05	3.11E+05
FD	-2.55E+05	4.97E+05	-2.51E+05	4.83E+05
L1	-4.20E+05	3.68E+05	-4.20E+05	3.67E+05
L3	-2.39E+05	3.10E+05	-2.36E+05	3.08E+05
L4	-2.60E+05	4.18E+05	-2.39E+05	3.98E+05
NF	—	—	—	—
NS	-1.63E+05	4.37E+05	-1.57E+05	4.35E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-101. Time history of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

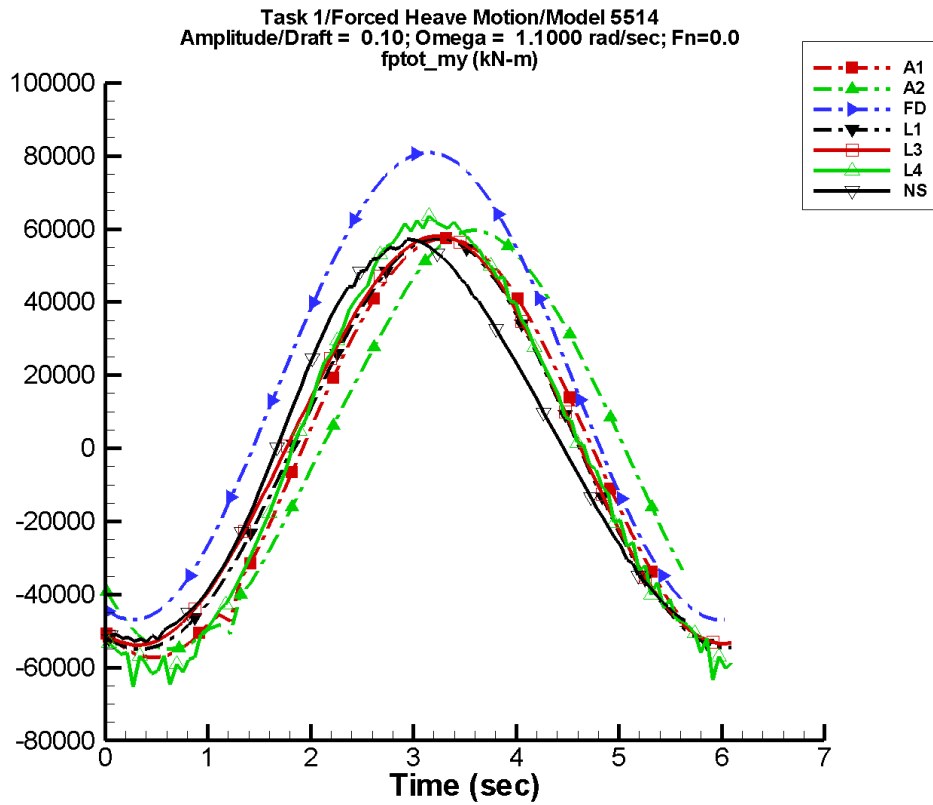
Table B–201. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-364.	2.89E+04	-120	616.	80
A2	880.	2.96E+04	-139	57.1	180
FD	1.70E+04	3.20E+04	-108	149.	-90
L1	-43.4	2.81E+04	-113	443.	23
L3	894.	2.80E+04	-112	389.	2
L4	650.	2.97E+04	-114	933.	118
NF	—	—	—	—	—
NS	-153.	2.71E+04	-103	986.	127

Table B–202. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-3.19E+04	2.88E+04	-2.78E+04	2.79E+04
A2	-3.25E+04	3.05E+04	-2.79E+04	2.96E+04
FD	-1.51E+04	4.89E+04	-1.51E+04	4.84E+04
L1	-2.78E+04	2.85E+04	-2.75E+04	2.81E+04
L3	-2.69E+04	2.91E+04	-2.65E+04	2.88E+04
L4	-3.05E+04	3.12E+04	-2.88E+04	3.02E+04
NF	—	—	—	—
NS	-2.73E+04	2.78E+04	-2.68E+04	2.74E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-102. Time history of $M_y^{p\text{tot}}$ for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

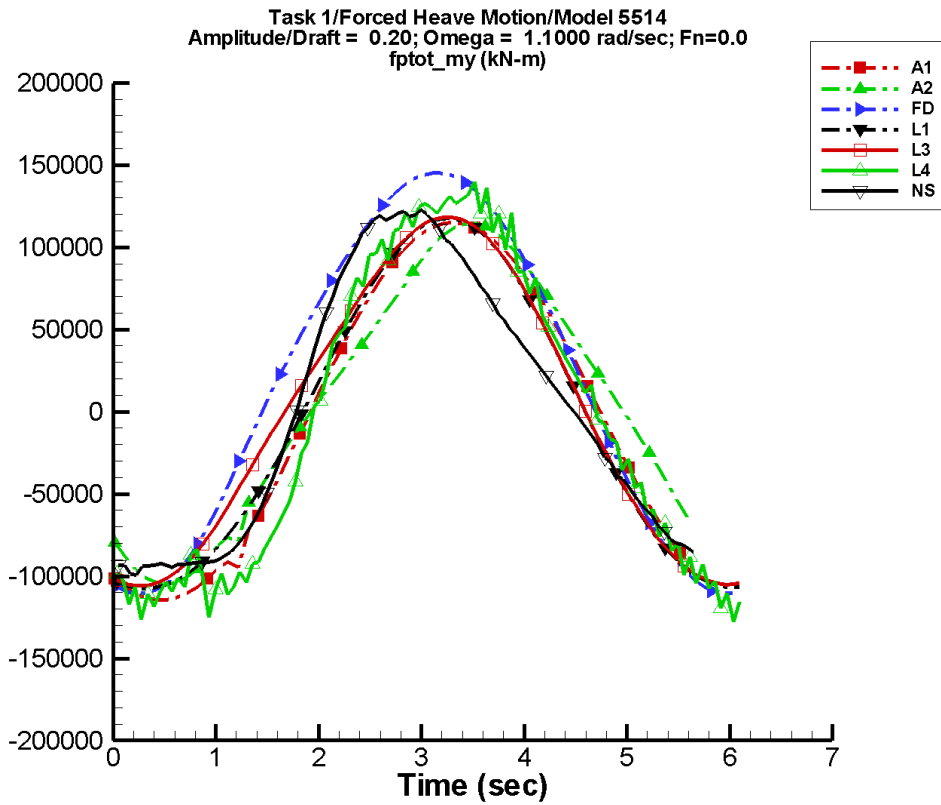
Table B–203. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-727.	5.78E+04	-120	1.23E+03	80
A2	2.10E+03	5.67E+04	-136	1.05E+03	-111
FD	1.76E+04	6.38E+04	-107	772.	-90
L1	-179.	5.61E+04	-113	1.67E+03	23
L3	1.31E+03	5.57E+04	-112	1.44E+03	-6
L4	-74.3	6.10E+04	-115	3.19E+03	112
NF	—	—	—	—	—
NS	128.	5.39E+04	-103	4.49E+03	128

Table B–204. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-6.37E+04	5.75E+04	-5.55E+04	5.57E+04
A2	-6.30E+04	5.96E+04	-5.35E+04	5.76E+04
FD	-4.69E+04	8.10E+04	-4.70E+04	7.99E+04
L1	-5.49E+04	5.75E+04	-5.43E+04	5.68E+04
L3	-5.38E+04	5.81E+04	-5.32E+04	5.75E+04
L4	-6.52E+04	6.35E+04	-6.05E+04	6.14E+04
NF	—	—	—	—
NS	-5.31E+04	5.74E+04	-5.20E+04	5.59E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-103. Time history of M_y^{pot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

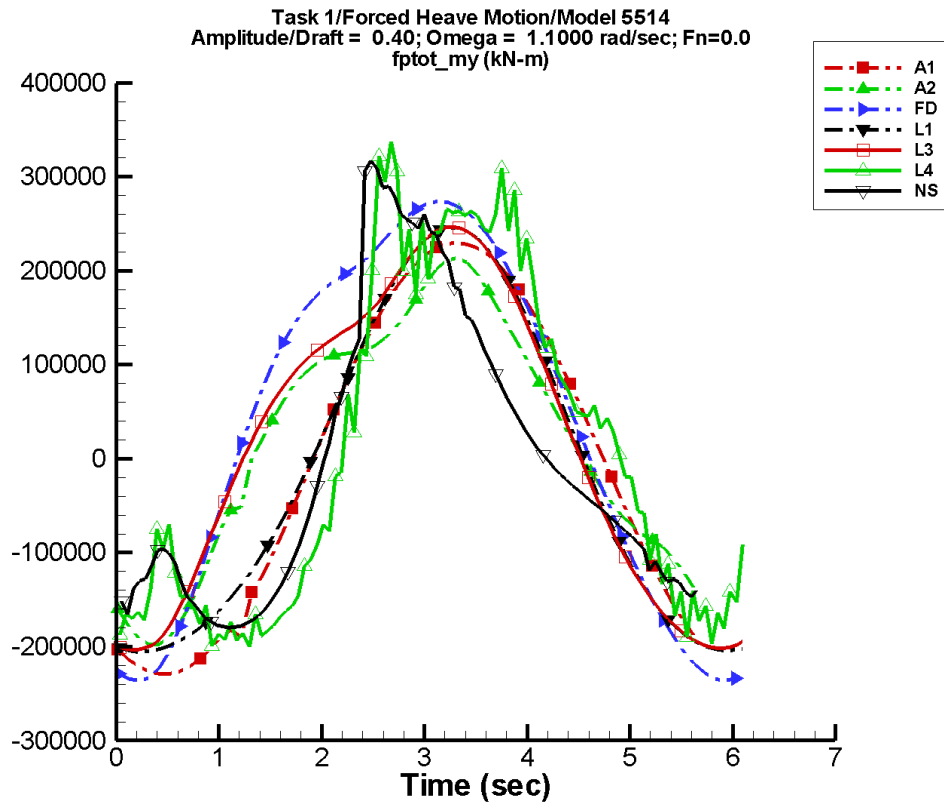
Table B–205. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of $M_y^{p\text{tot}}$ for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-1.45E+03	1.16E+05	-120	2.46E+03	80
A2	5.50E+03	1.03E+05	-128	4.15E+03	-113
FD	2.10E+04	1.26E+05	-105	5.57E+03	-89
L1	-726.	1.12E+05	-113	6.51E+03	24
L3	4.41E+03	1.10E+05	-109	6.14E+03	-32
L4	-147.	1.25E+05	-120	1.53E+04	72
NF	—	—	—	—	—
NS	270.	1.08E+05	-105	2.21E+04	118

Table B–206. Minimum and maximum of $M_y^{p\text{tot}}$ for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.27E+05	1.15E+05	-1.11E+05	1.11E+05
A2	-1.18E+05	1.14E+05	-9.93E+04	1.09E+05
FD	-1.11E+05	1.45E+05	-1.11E+05	1.43E+05
L1	-1.07E+05	1.18E+05	-1.06E+05	1.16E+05
L3	-1.06E+05	1.18E+05	-1.05E+05	1.17E+05
L4	-1.28E+05	1.40E+05	-1.13E+05	1.29E+05
NF	—	—	—	—
NS	-9.93E+04	1.25E+05	-9.48E+04	1.22E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-104. Time history of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

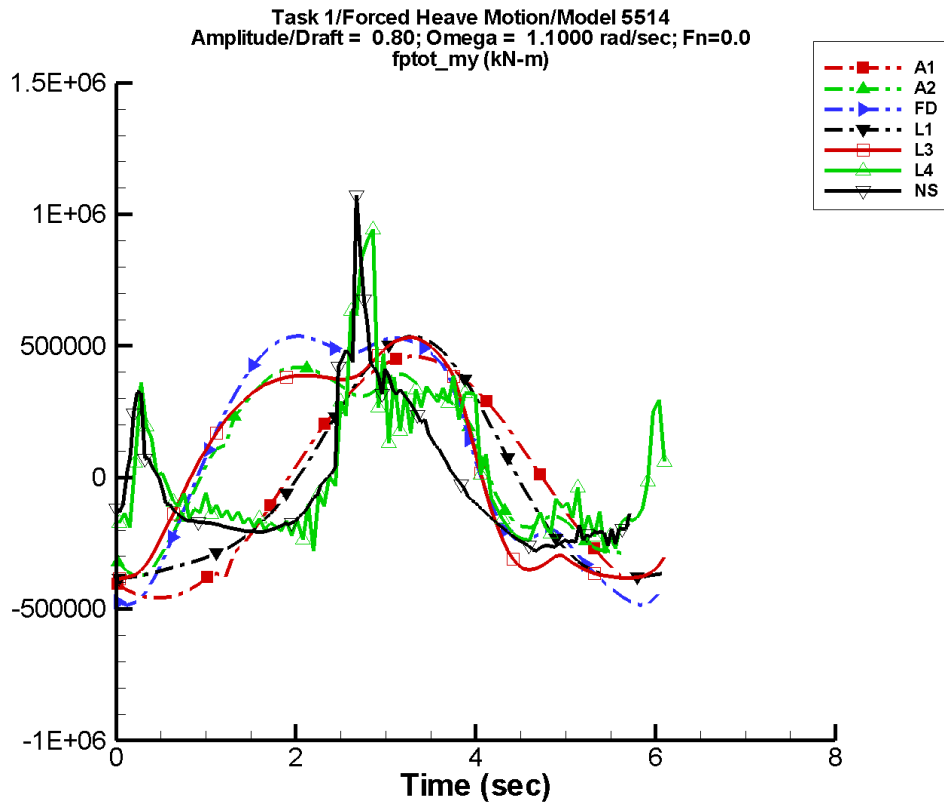
Table B–207. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-2.91E+03	2.31E+05	-120	4.92E+03	80
A2	1.73E+04	1.79E+05	-102	1.88E+04	-111
FD	4.63E+04	2.45E+05	-95	3.83E+04	-89
L1	-2.93E+03	2.24E+05	-113	2.56E+04	24
L3	2.75E+04	2.12E+05	-97	3.40E+04	-57
L4	1.67E+04	2.34E+05	-127	6.63E+04	51
NF	—	—	—	—	—
NS	-1.01E+04	1.86E+05	-108	8.26E+04	91

Table B–208. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-2.55E+05	2.30E+05	-2.22E+05	2.23E+05
A2	-1.99E+05	2.14E+05	-1.81E+05	1.94E+05
FD	-2.37E+05	2.74E+05	-2.37E+05	2.68E+05
L1	-2.05E+05	2.46E+05	-2.06E+05	2.42E+05
L3	-2.03E+05	2.47E+05	-2.05E+05	2.43E+05
L4	-2.00E+05	3.37E+05	-1.88E+05	2.64E+05
NF	—	—	—	—
NS	-1.80E+05	3.17E+05	-1.77E+05	2.80E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-105. Time history of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

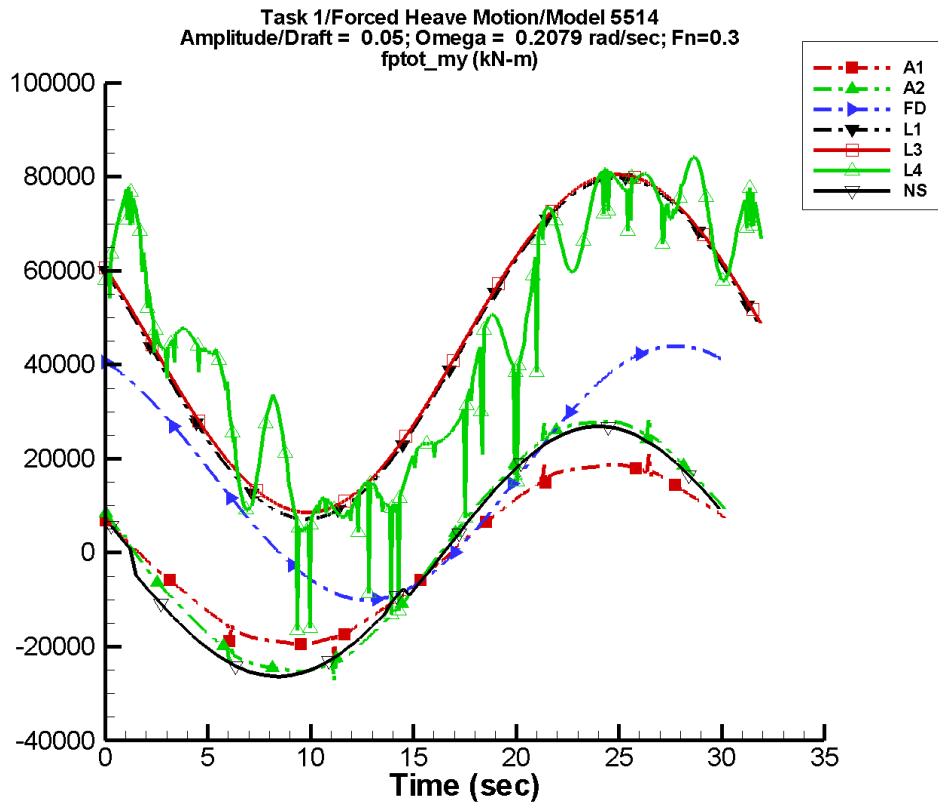
Table B–209. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{pot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-5.81E+03	4.62E+05	-120	9.84E+03	80
A2	6.98E+04	3.84E+05	-75	6.28E+04	-107
FD	9.38E+04	5.16E+05	-72	7.73E+04	-89
L1	-1.17E+04	4.48E+05	-113	1.02E+05	24
L3	6.69E+04	4.60E+05	-71	9.10E+04	-25
L4	2.88E+04	2.53E+05	-107	2.49E+05	49
NF	—	—	—	—	—
NS	-4.20E+04	2.07E+05	-88	2.29E+05	69

Table B–210. Minimum and maximum of M_y^{pot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-5.10E+05	4.60E+05	-4.44E+05	4.46E+05
A2	-3.76E+05	4.20E+05	-3.48E+05	3.96E+05
FD	-4.85E+05	5.38E+05	-4.78E+05	5.21E+05
L1	-3.85E+05	5.35E+05	-3.88E+05	5.26E+05
L3	-3.84E+05	5.32E+05	-3.86E+05	5.22E+05
L4	-2.88E+05	1.13E+06	-2.12E+05	7.69E+05
NF	—	—	—	—
NS	-3.04E+05	1.07E+06	-2.90E+05	6.34E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-106. Time history of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

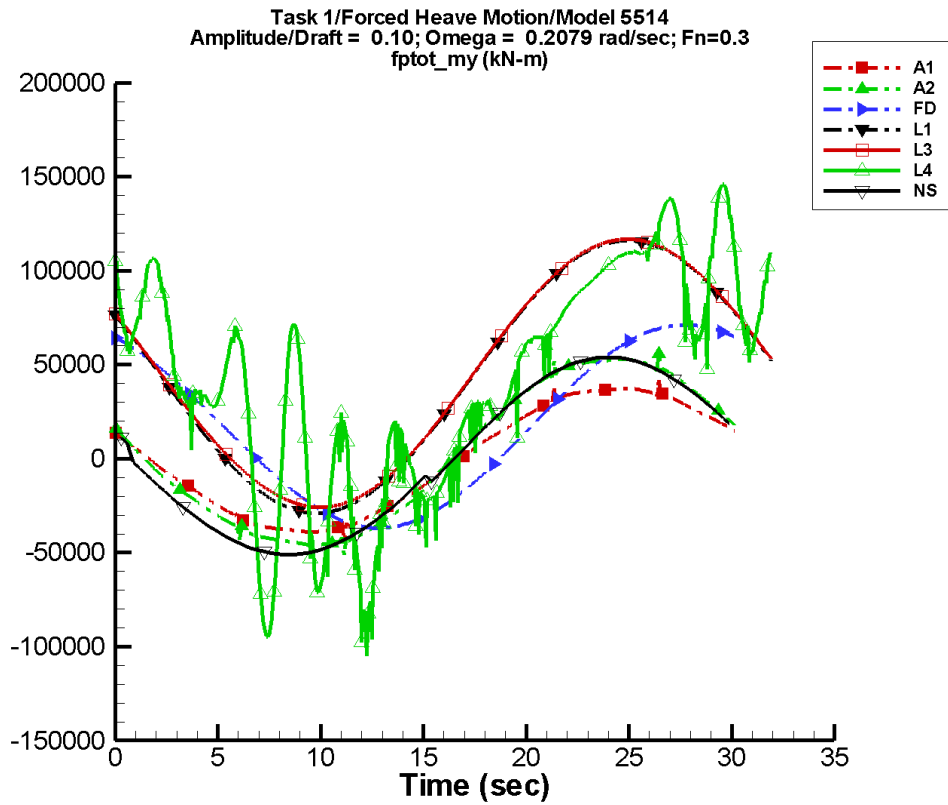
Table B–211. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-101.	1.91E+04	159	221.	32
A2	1.14E+03	2.68E+04	163	540.	-76
FD	1.70E+04	2.70E+04	118	148.	-89
L1	4.35E+04	3.63E+04	153	24.6	117
L3	4.44E+04	3.60E+04	153	140.	-96
L4	4.39E+04	3.51E+04	132	360.	-55
NF	—	—	—	—	—
NS	-230.	2.65E+04	166	1.15E+03	174

Table B–212. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-2.19E+04	2.10E+04	-1.95E+04	1.87E+04
A2	-2.72E+04	2.87E+04	-2.53E+04	2.78E+04
FD	-1.01E+04	4.40E+04	-1.00E+04	4.40E+04
L1	7.18E+03	7.98E+04	7.21E+03	7.98E+04
L3	8.58E+03	8.05E+04	8.60E+03	8.05E+04
L4	-1.66E+04	8.43E+04	3.11E+03	8.37E+04
NF	—	—	—	—
NS	-2.64E+04	2.69E+04	-2.61E+04	2.66E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-107. Time history of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

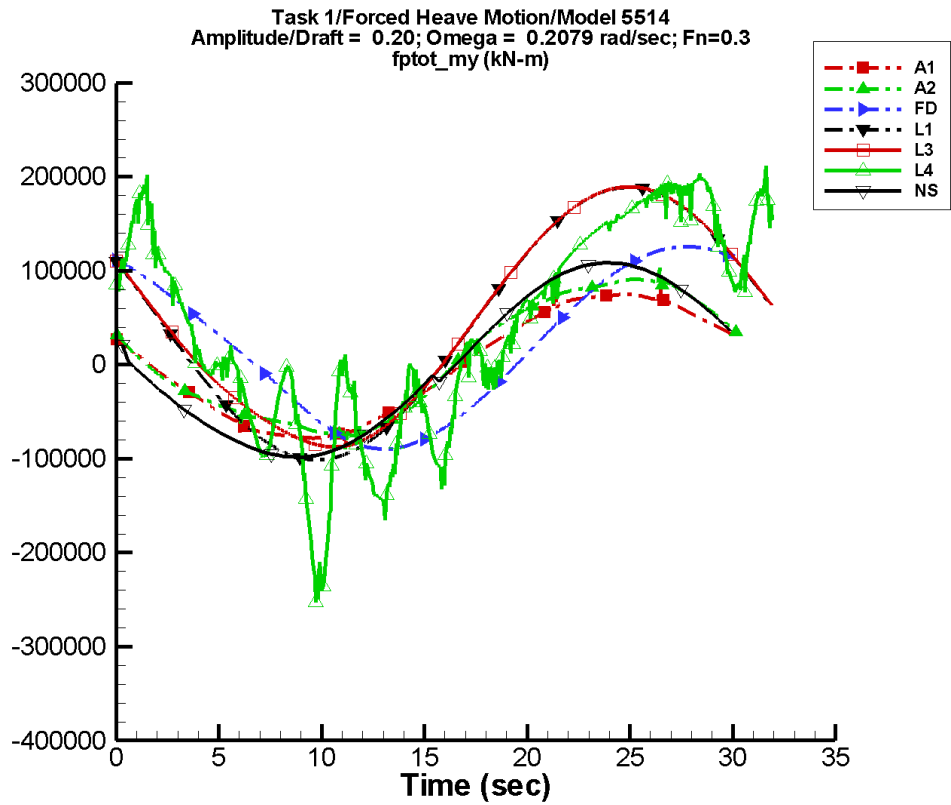
Table B–213. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-202.	3.81E+04	159	441.	32
A2	2.63E+03	5.01E+04	162	2.09E+03	-85
FD	1.76E+04	5.38E+04	118	751.	-88
L1	4.36E+04	7.25E+04	153	96.9	117
L3	4.51E+04	7.13E+04	153	730.	-95
L4	4.12E+04	7.21E+04	130	1.81E+03	-79
NF	—	—	—	—	—
NS	136.	5.20E+04	167	2.34E+03	-174

Table B–214. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-4.37E+04	4.18E+04	-3.89E+04	3.74E+04
A2	-5.13E+04	5.57E+04	-4.58E+04	5.28E+04
FD	-3.69E+04	7.12E+04	-3.68E+04	7.11E+04
L1	-2.89E+04	1.16E+05	-2.89E+04	1.16E+05
L3	-2.59E+04	1.17E+05	-2.59E+04	1.17E+05
L4	-1.12E+05	1.46E+05	-9.50E+04	1.43E+05
NF	—	—	—	—
NS	-5.11E+04	5.39E+04	-5.06E+04	5.34E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-108. Time history of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

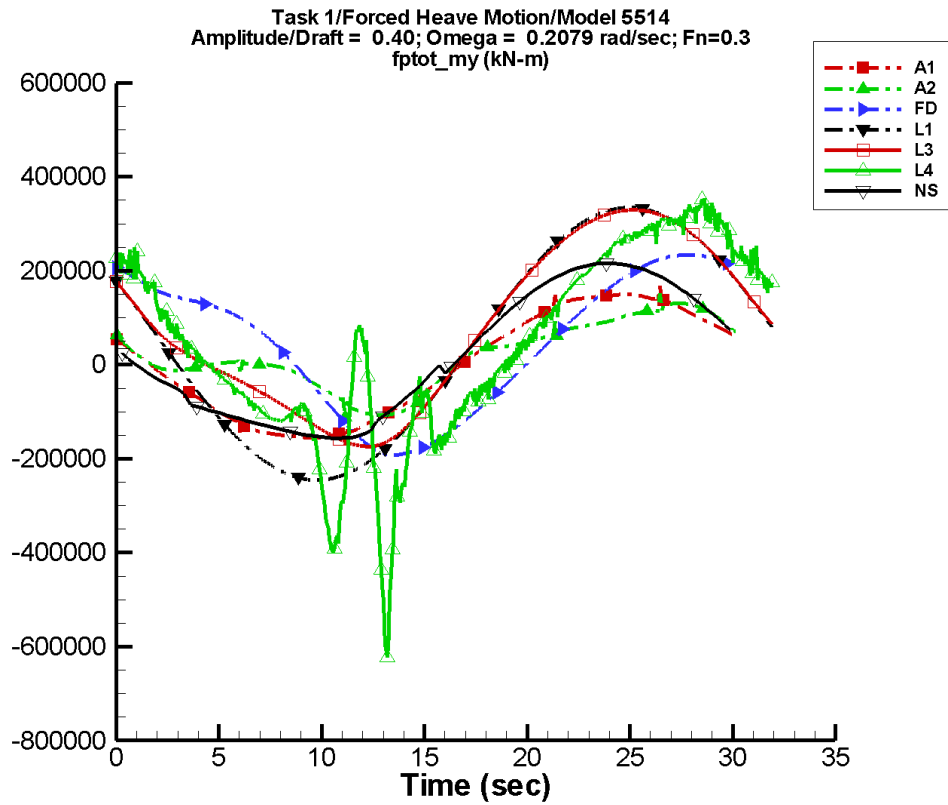
Table B–215. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-405.	7.63E+04	159	882.	32
A2	6.59E+03	8.23E+04	159	6.34E+03	-91
FD	2.11E+04	1.05E+05	115	5.35E+03	-88
L1	4.38E+04	1.45E+05	153	387.	116
L3	4.90E+04	1.38E+05	152	5.59E+03	-94
L4	3.71E+04	1.44E+05	132	1.14E+04	95
NF	—	—	—	—	—
NS	1.62E+03	1.02E+05	166	4.17E+03	-150

Table B–216. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-8.75E+04	8.37E+04	-7.78E+04	7.47E+04
A2	-8.99E+04	1.03E+05	-7.59E+04	9.07E+04
FD	-8.96E+04	1.26E+05	-8.95E+04	1.26E+05
L1	-1.01E+05	1.89E+05	-1.01E+05	1.89E+05
L3	-8.75E+04	1.89E+05	-8.74E+04	1.89E+05
L4	-2.56E+05	2.11E+05	-2.40E+05	1.98E+05
NF	—	—	—	—
NS	-9.83E+04	1.08E+05	-9.74E+04	1.07E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-109. Time history of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

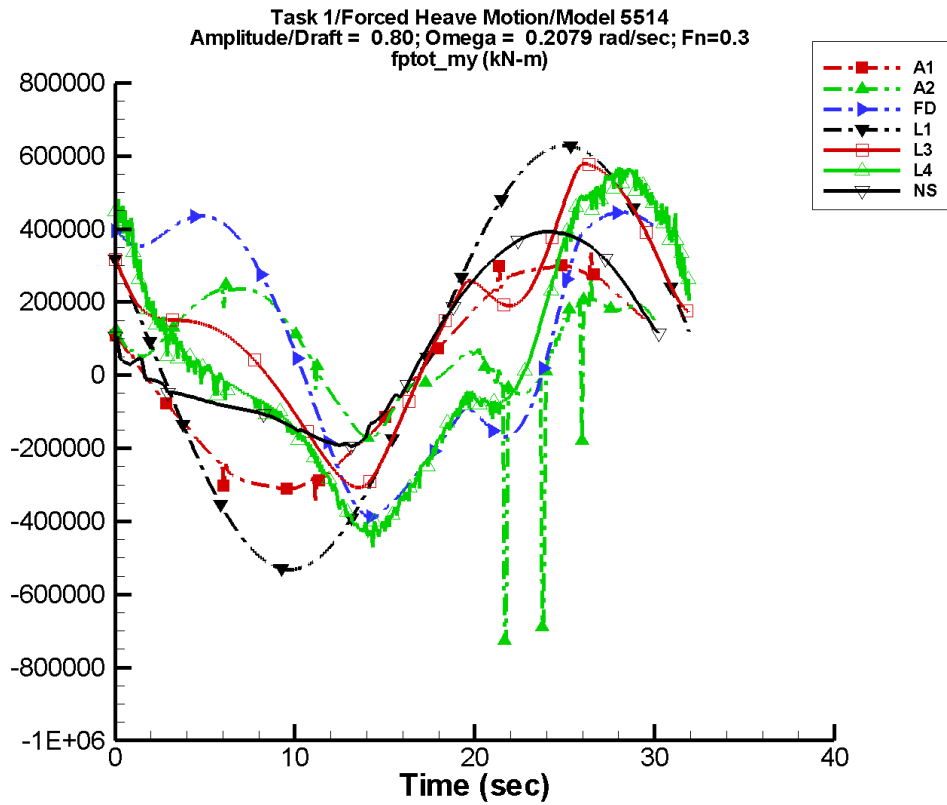
Table B–217. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-809.	1.53E+05	159	1.76E+03	32
A2	1.95E+04	8.59E+04	139	2.38E+04	-95
FD	4.64E+04	1.94E+05	104	3.67E+04	-88
L1	4.48E+04	2.90E+05	153	1.55E+03	116
L3	7.57E+04	2.37E+05	147	3.74E+04	-93
L4	3.80E+04	2.53E+05	128	2.25E+04	173
NF	—	—	—	—	—
NS	1.71E+04	1.82E+05	164	1.54E+04	-100

Table B–218. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.75E+05	1.67E+05	-1.56E+05	1.49E+05
A2	-1.12E+05	1.51E+05	-1.07E+05	1.30E+05
FD	-1.92E+05	2.34E+05	-1.91E+05	2.34E+05
L1	-2.45E+05	3.35E+05	-2.45E+05	3.34E+05
L3	-1.74E+05	3.29E+05	-1.74E+05	3.29E+05
L4	-6.23E+05	3.54E+05	-5.40E+05	3.36E+05
NF	—	—	—	—
NS	-1.56E+05	2.16E+05	-1.55E+05	2.14E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-110. Time history of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

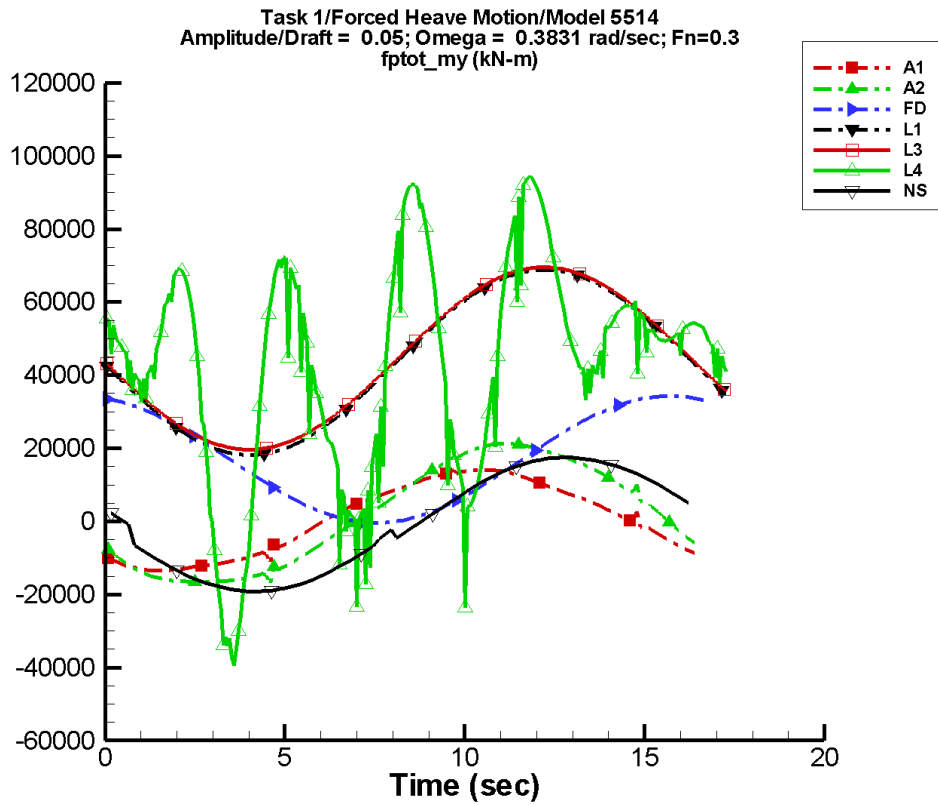
Table B–219. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-1.62E+03	3.05E+05	159	3.53E+03	32
A2	6.23E+04	1.26E+05	55	5.62E+04	-92
FD	9.60E+04	3.84E+05	73	6.90E+04	-79
L1	4.88E+04	5.80E+05	153	6.19E+03	116
L3	1.31E+05	3.14E+05	127	6.80E+04	-96
L4	2.39E+04	3.87E+05	108	8.91E+04	177
NF	—	—	—	—	—
NS	7.09E+04	2.68E+05	158	6.80E+04	-97

Table B–220. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-3.50E+05	3.35E+05	-3.11E+05	2.99E+05
A2	-7.27E+05	2.76E+05	-2.09E+05	2.59E+05
FD	-3.88E+05	4.46E+05	-3.85E+05	4.45E+05
L1	-5.32E+05	6.28E+05	-5.32E+05	6.28E+05
L3	-3.07E+05	5.80E+05	-3.07E+05	5.78E+05
L4	-4.70E+05	5.69E+05	-4.32E+05	5.56E+05
NF	—	—	—	—
NS	-1.97E+05	3.93E+05	-1.90E+05	3.91E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-111. Time history of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

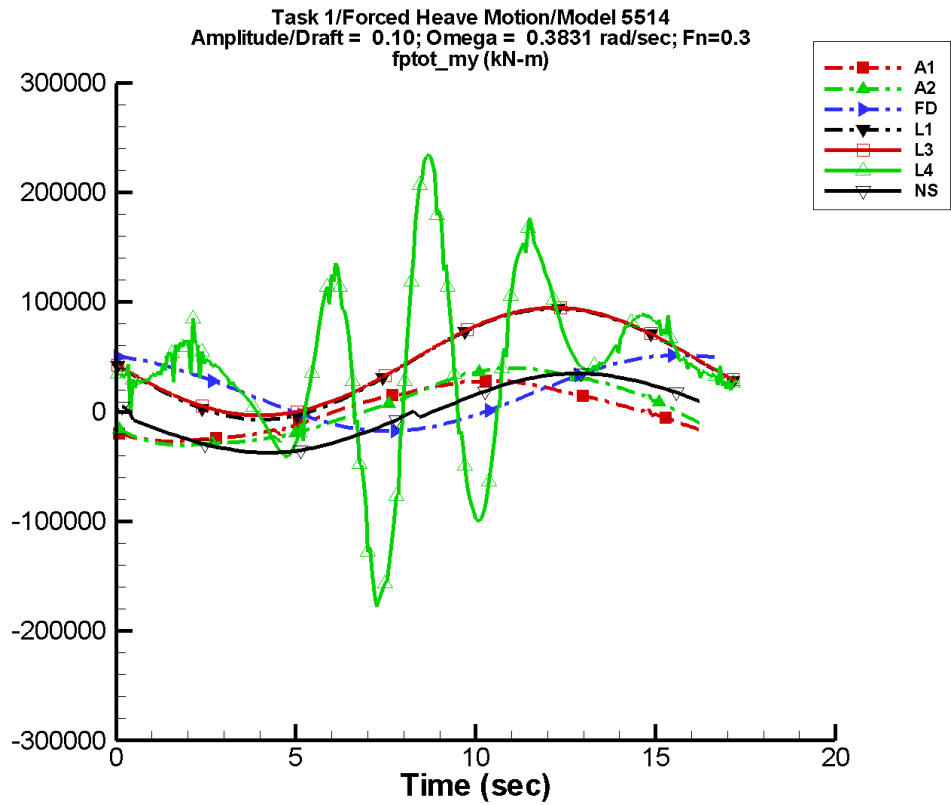
Table B–221. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	457.	1.33E+04	-138	121.	155
A2	1.70E+03	1.90E+04	-158	619.	-108
FD	1.70E+04	1.73E+04	105	147.	-90
L1	4.36E+04	2.53E+04	-178	77.7	66
L3	4.45E+04	2.50E+04	-178	91.2	-75
L4	4.34E+04	1.64E+04	161	3.01E+03	71
NF	—	—	—	—	—
NS	-577.	1.84E+04	172	1.39E+03	158

Table B–222. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.44E+04	1.41E+04	-1.34E+04	1.40E+04
A2	-1.96E+04	2.12E+04	-1.69E+04	2.11E+04
FD	-407.	3.42E+04	-342.	3.42E+04
L1	1.81E+04	6.88E+04	1.82E+04	6.88E+04
L3	1.96E+04	6.95E+04	1.97E+04	6.95E+04
L4	-3.94E+04	9.45E+04	-3.38E+04	9.19E+04
NF	—	—	—	—
NS	-1.92E+04	1.78E+04	-1.90E+04	1.76E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-112. Time history of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

Table B–223. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	912.	2.67E+04	-138	242.	155
A2	3.75E+03	3.48E+04	-155	2.26E+03	-103
FD	1.76E+04	3.45E+04	104	737.	-89
L1	4.38E+04	5.06E+04	-178	310.	66
L3	4.52E+04	4.94E+04	-178	491.	-82
L4	4.11E+04	3.25E+04	157	1.02E+04	-38
NF	—	—	—	—	—
NS	-776.	3.60E+04	173	2.65E+03	164

Table B–224. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-2.88E+04	2.81E+04	-2.68E+04	2.79E+04
A2	-3.40E+04	4.00E+04	-3.02E+04	3.98E+04
FD	-1.77E+04	5.16E+04	-1.75E+04	5.15E+04
L1	-7.12E+03	9.41E+04	-7.06E+03	9.40E+04
L3	-3.33E+03	9.49E+04	-3.27E+03	9.48E+04
L4	-1.78E+05	2.34E+05	-1.62E+05	2.22E+05
NF	—	—	—	—
NS	-3.73E+04	3.55E+04	-3.69E+04	3.52E+04

TASK 1/HEAVE MOTION/MODEL 5514

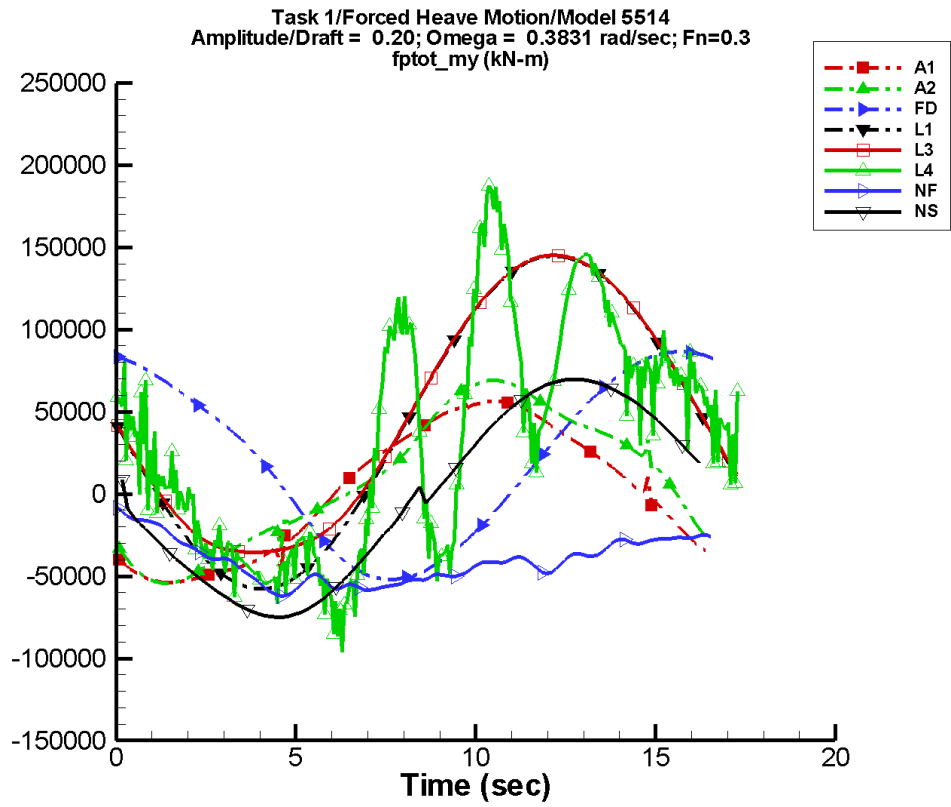


Figure B-113. Time history of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

Table B–225. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	1.82E+03	5.33E+04	-138	483.	155
A2	8.77E+03	5.41E+04	-146	6.78E+03	-105
FD	2.10E+04	6.77E+04	99	5.21E+03	-88
L1	4.45E+04	1.01E+05	-178	1.24E+03	66
L3	4.97E+04	9.34E+04	-178	4.25E+03	-91
L4	3.44E+04	7.92E+04	173	8.58E+03	70
NF	-2.73E+04	9.64E+03	175	3.80E+03	55
NS	-1.25E+03	7.10E+04	172	3.52E+03	161

Table B–226. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-5.76E+04	5.63E+04	-5.37E+04	5.59E+04
A2	-7.04E+04	6.91E+04	-5.39E+04	6.85E+04
FD	-5.21E+04	8.65E+04	-5.18E+04	8.62E+04
L1	-5.78E+04	1.45E+05	-5.76E+04	1.45E+05
L3	-3.55E+04	1.45E+05	-3.54E+04	1.45E+05
L4	-9.61E+04	1.88E+05	-7.40E+04	1.77E+05
NF	-6.22E+04	1.12E+04	-5.96E+04	8.14E+03
NS	-7.49E+04	7.10E+04	-7.40E+04	7.03E+04

TASK 1/HEAVE MOTION/MODEL 5514

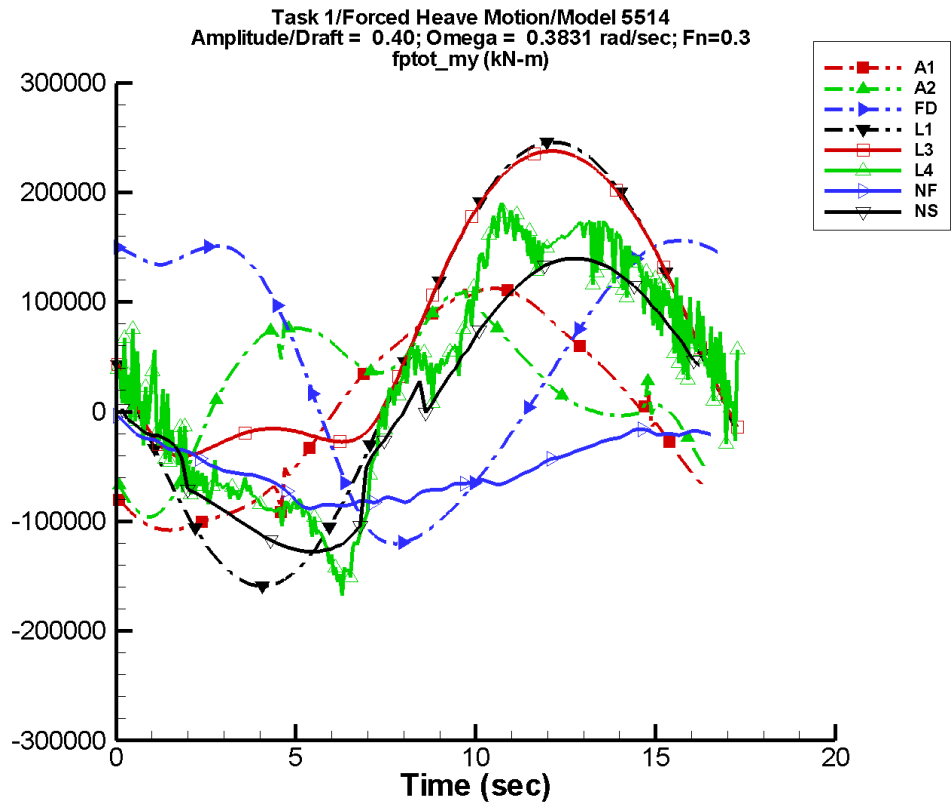


Figure B-114. Time history of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

Table B–227. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	3.65E+03	1.07E+05	-138	966.	155
A2	2.40E+04	6.56E+04	-91	2.48E+04	-102
FD	4.62E+04	1.34E+05	81	3.57E+04	-88
L1	4.77E+04	2.02E+05	-178	4.96E+03	66
L3	7.83E+04	1.44E+05	-176	3.12E+04	-93
L4	3.09E+04	1.38E+05	172	1.52E+04	-16
NF	-3.30E+04	2.23E+04	157	2.67E+03	63
NS	1.06E+04	1.31E+05	171	3.63E+03	23

Table B–228. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.15E+05	1.13E+05	-1.07E+05	1.12E+05
A2	-9.56E+04	1.11E+05	-9.32E+04	1.05E+05
FD	-1.20E+05	1.56E+05	-1.19E+05	1.56E+05
L1	-1.59E+05	2.46E+05	-1.59E+05	2.46E+05
L3	-4.04E+04	2.38E+05	-4.01E+04	2.38E+05
L4	-1.68E+05	1.90E+05	-1.49E+05	1.76E+05
NF	-8.85E+04	1.42E+04	-8.64E+04	1.31E+04
NS	-1.28E+05	1.44E+05	-1.27E+05	1.43E+05

TASK 1/HEAVE MOTION/MODEL 5514

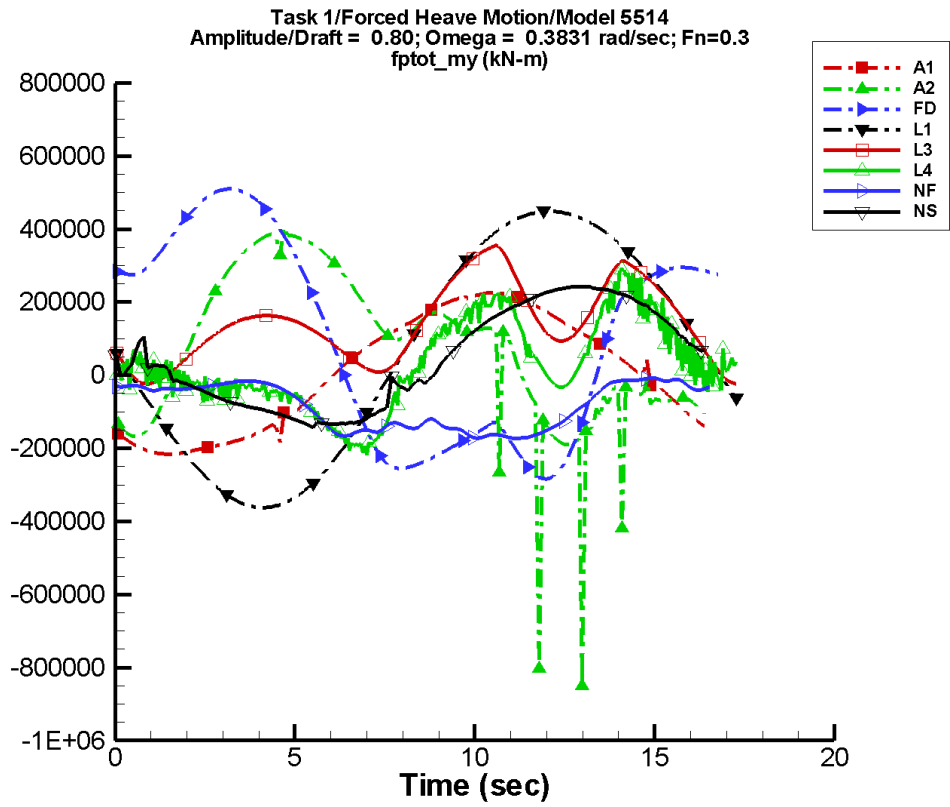


Figure B-115. Time history of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

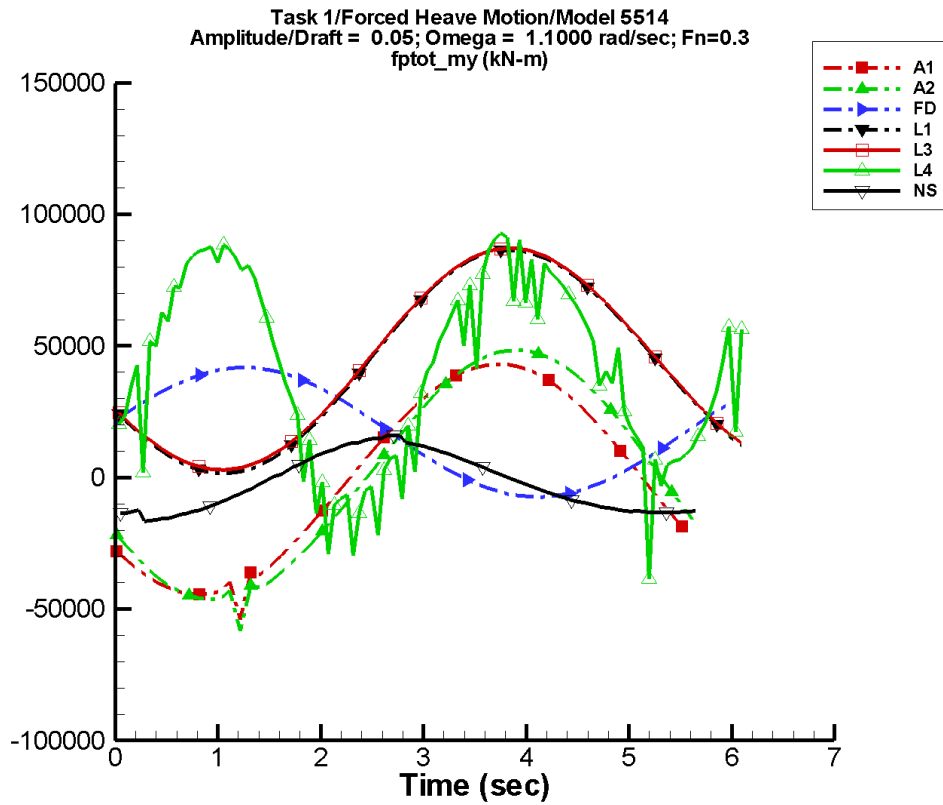
Table B–229. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	7.30E+03	2.13E+05	-138	1.93E+03	155
A2	6.86E+04	2.49E+05	-35	5.74E+04	-101
FD	9.60E+04	3.64E+05	46	5.87E+04	-84
L1	6.05E+04	4.05E+05	-178	1.98E+04	66
L3	1.40E+05	8.81E+04	-160	4.47E+04	-92
L4	2.47E+04	1.25E+05	163	2.88E+04	0
NF	-5.92E+04	4.67E+04	84	7.45E+03	-138
NS	4.89E+04	1.82E+05	162	2.61E+04	-67

Table B–230. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-2.30E+05	2.25E+05	-2.15E+05	2.24E+05
A2	-8.51E+05	4.04E+05	-2.53E+05	3.78E+05
FD	-2.84E+05	5.10E+05	-2.77E+05	5.07E+05
L1	-3.62E+05	4.48E+05	-3.62E+05	4.48E+05
L3	-2.36E+04	3.56E+05	-2.17E+04	3.49E+05
L4	-2.18E+05	2.89E+05	-1.97E+05	2.66E+05
NF	-1.74E+05	2.37E+04	-1.70E+05	2.26E+04
NS	-1.44E+05	2.53E+05	-1.34E+05	2.52E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-116. Time history of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

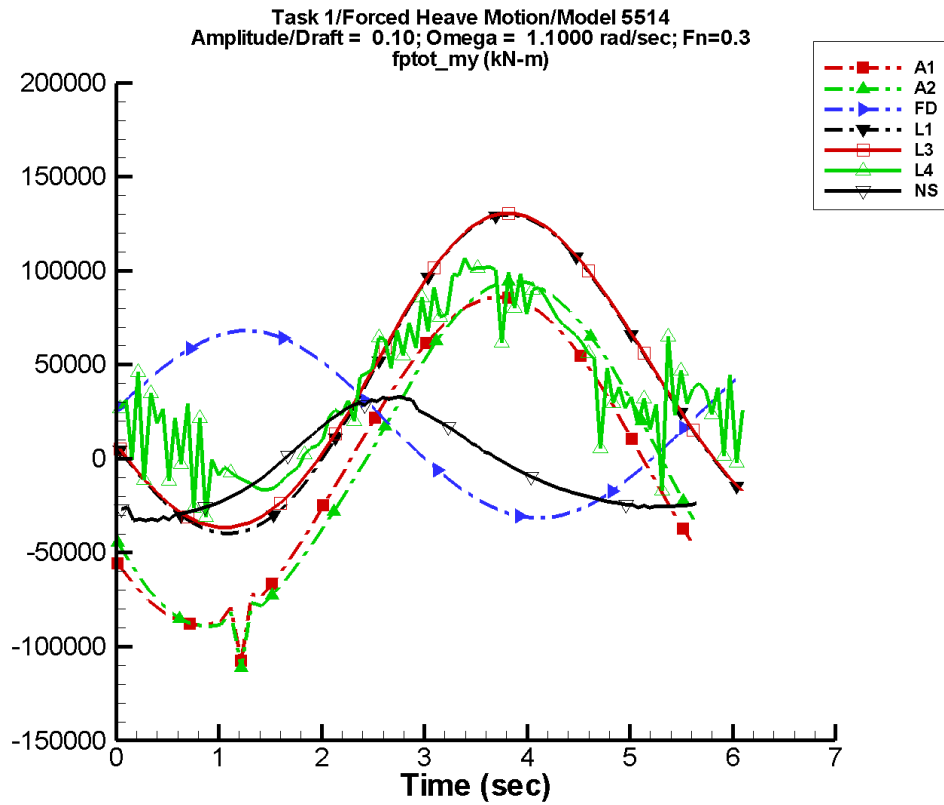
Table B–231. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-676.	4.39E+04	-144	160.	166
A2	568.	4.77E+04	-155	652.	-120
FD	1.70E+04	2.46E+04	11	149.	-90
L1	4.35E+04	4.24E+04	-154	984.	18
L3	4.44E+04	4.20E+04	-154	911.	9
L4	4.13E+04	9.56E+03	143	4.64E+04	-35
NF	—	—	—	—	—
NS	-2.19E+03	1.43E+04	-82	3.04E+03	133

Table B–232. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-5.40E+04	4.31E+04	-4.38E+04	4.17E+04
A2	-5.82E+04	4.85E+04	-4.62E+04	4.70E+04
FD	-7.39E+03	4.17E+04	-6.65E+03	4.10E+04
L1	1.59E+03	8.64E+04	2.05E+03	8.59E+04
L3	2.93E+03	8.71E+04	3.39E+03	8.66E+04
L4	-3.86E+04	9.28E+04	-1.32E+04	8.57E+04
NF	—	—	—	—
NS	-1.68E+04	1.65E+04	-1.52E+04	1.54E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-117. Time history of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

Table B–233. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-1.35E+03	8.77E+04	-144	320.	166
A2	1.47E+03	9.22E+04	-154	2.30E+03	-113
FD	1.76E+04	4.96E+04	11	772.	-90
L1	4.30E+04	8.45E+04	-154	3.67E+03	15
L3	4.44E+04	8.34E+04	-154	3.42E+03	2
L4	3.89E+04	4.72E+04	-148	1.64E+04	42
NF	—	—	—	—	—
NS	-5.54E+03	2.86E+04	-83	8.78E+03	132

Table B–234. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.08E+05	8.60E+04	-8.74E+04	8.33E+04
A2	-1.11E+05	9.45E+04	-8.85E+04	9.15E+04
FD	-3.16E+04	6.81E+04	-3.01E+04	6.64E+04
L1	-3.96E+04	1.30E+05	-3.88E+04	1.29E+05
L3	-3.66E+04	1.31E+05	-3.57E+04	1.30E+05
L4	-3.11E+04	1.07E+05	-1.36E+04	9.79E+04
NF	—	—	—	—
NS	-3.29E+04	3.36E+04	-3.15E+04	3.23E+04

TASK 1/HEAVE MOTION/MODEL 5514

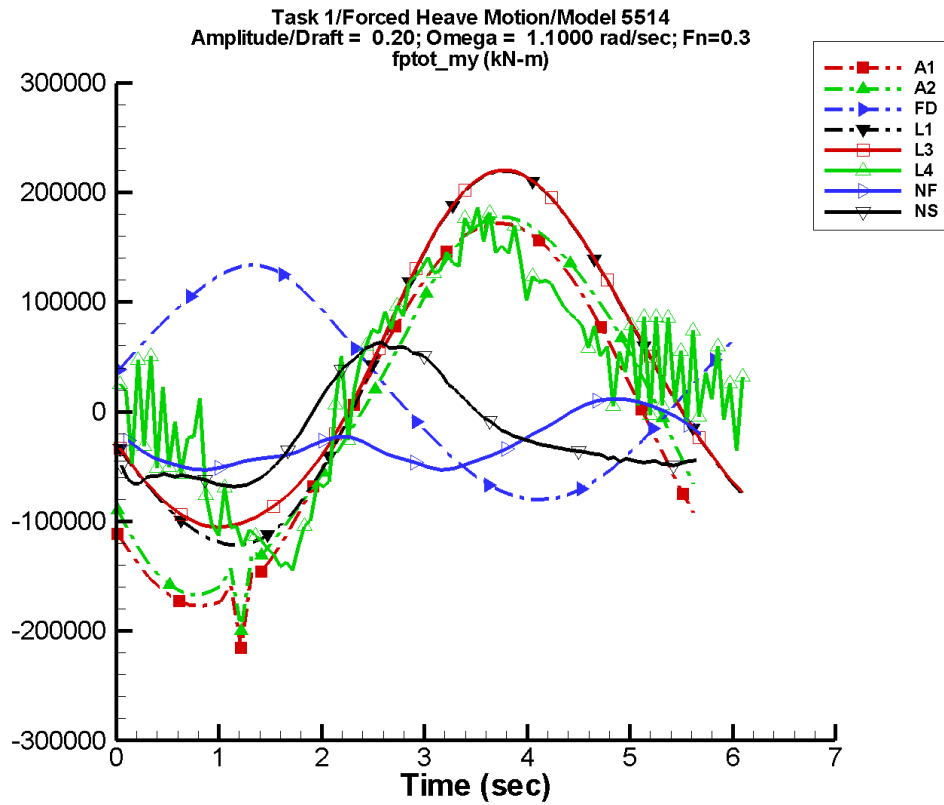


Figure B-118. Time history of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

Table B–235. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-2.70E+03	1.75E+05	-144	640.	166
A2	4.25E+03	1.69E+05	-150	6.64E+03	-114
FD	2.10E+04	1.04E+05	10	5.57E+03	-89
L1	4.08E+04	1.69E+05	-154	1.43E+04	14
L3	4.59E+04	1.62E+05	-153	1.33E+04	-10
L4	3.21E+04	1.14E+05	-157	5.17E+04	59
NF	-2.84E+04	1.95E+04	153	2.10E+04	-163
NS	-2.03E+04	5.11E+04	-96	2.74E+04	119

Table B–236. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-2.16E+05	1.72E+05	-1.75E+05	1.67E+05
A2	-2.00E+05	1.77E+05	-1.63E+05	1.71E+05
FD	-8.04E+04	1.34E+05	-7.74E+04	1.29E+05
L1	-1.21E+05	2.20E+05	-1.20E+05	2.17E+05
L3	-1.05E+05	2.20E+05	-1.04E+05	2.18E+05
L4	-1.57E+05	1.86E+05	-1.31E+05	1.62E+05
NF	-5.32E+04	1.16E+04	-5.04E+04	6.84E+03
NS	-7.12E+04	6.32E+04	-6.94E+04	5.94E+04

TASK 1/HEAVE MOTION/MODEL 5514

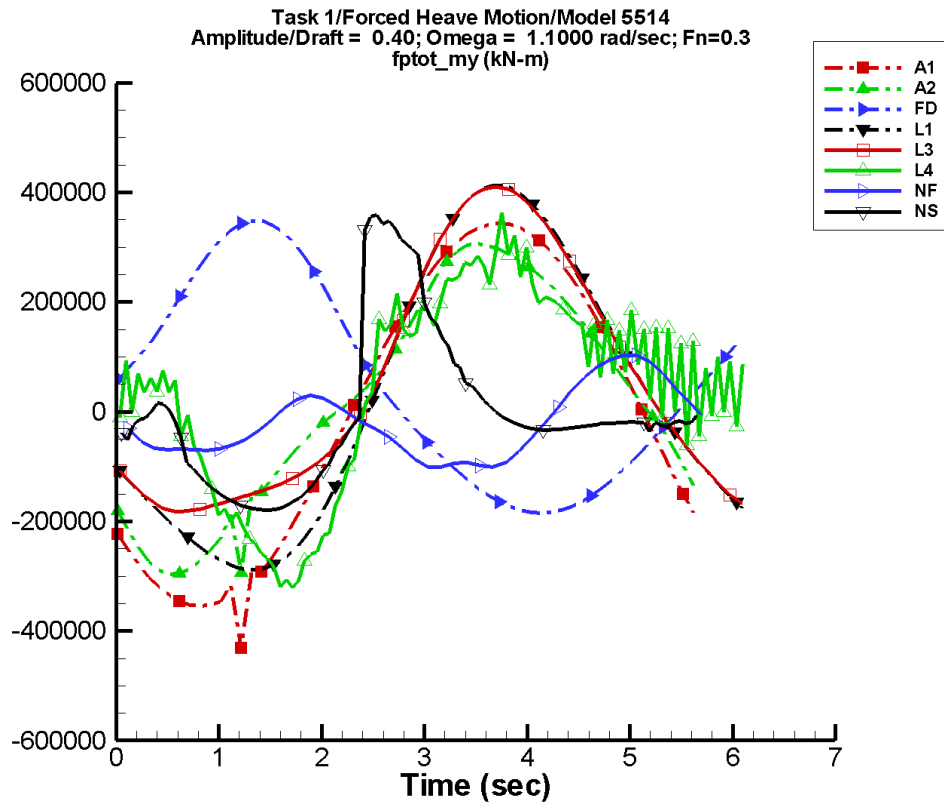


Figure B-119. Time history of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

Table B–237. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-5.40E+03	3.51E+05	-144	1.28E+03	166
A2	1.48E+04	2.74E+05	-139	2.38E+04	-112
FD	4.63E+04	2.51E+05	8	3.83E+04	-89
L1	3.19E+04	3.38E+05	-154	5.67E+04	14
L3	6.24E+04	2.87E+05	-148	5.59E+04	-27
L4	4.36E+04	2.25E+05	-169	1.17E+05	48
NF	-2.22E+04	4.15E+04	117	7.51E+04	-169
NS	2.66E+03	1.12E+05	-125	1.33E+05	92

Table B–238. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-4.31E+05	3.44E+05	-3.50E+05	3.33E+05
A2	-3.32E+05	3.07E+05	-2.75E+05	2.93E+05
FD	-1.85E+05	3.48E+05	-1.78E+05	3.33E+05
L1	-2.88E+05	4.12E+05	-2.84E+05	4.07E+05
L3	-1.82E+05	4.10E+05	-1.79E+05	4.04E+05
L4	-3.21E+05	3.63E+05	-2.92E+05	2.88E+05
NF	-1.01E+05	1.02E+05	-9.50E+04	8.02E+04
NS	-1.90E+05	3.86E+05	-1.88E+05	3.59E+05

TASK 1/HEAVE MOTION/MODEL 5514

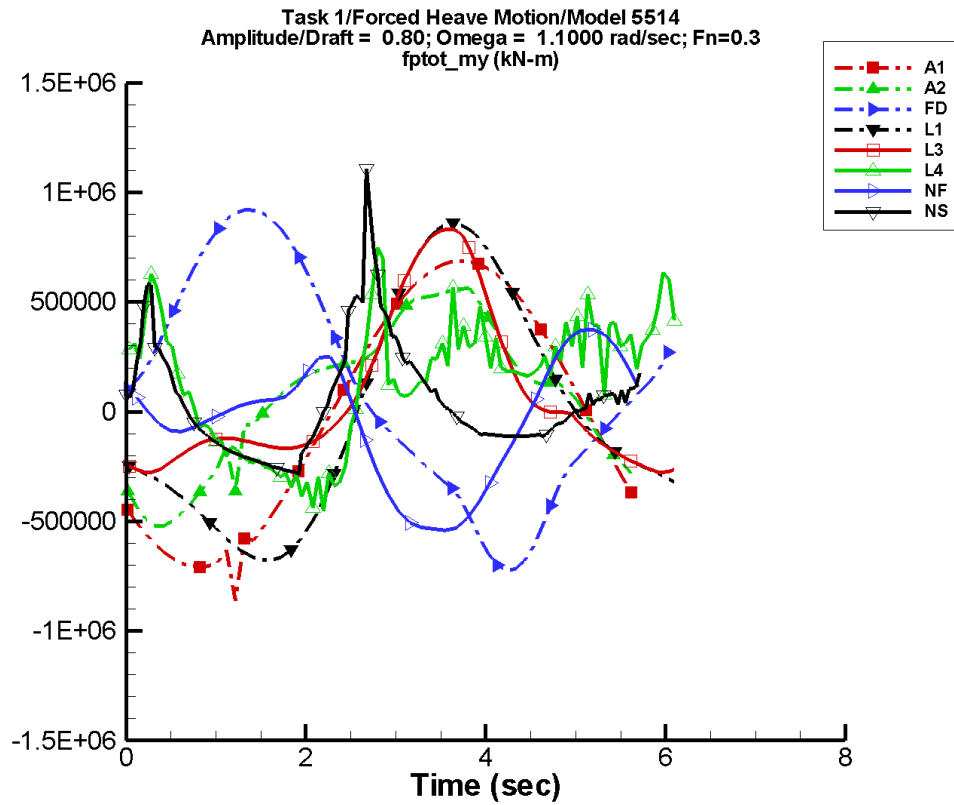


Figure B-120. Time history of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

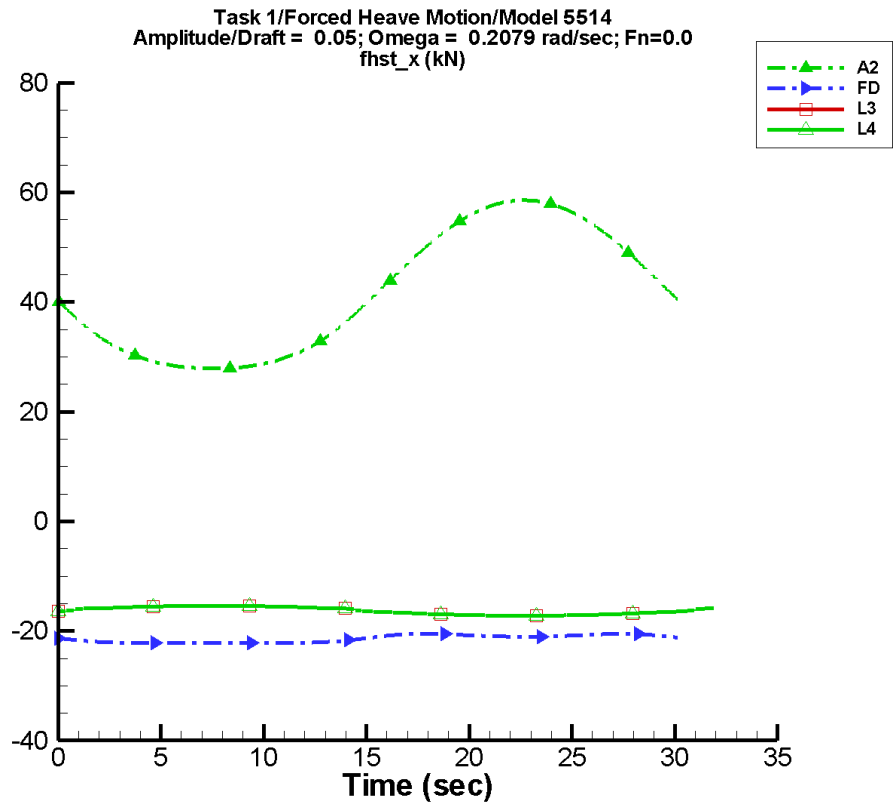
Table B–239. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-1.08E+04	7.02E+05	-144	2.56E+03	166
A2	6.48E+04	4.48E+05	-121	7.27E+04	-108
FD	9.38E+04	7.10E+05	6	7.73E+04	-89
L1	-3.40E+03	6.76E+05	-154	2.26E+05	14
L3	7.52E+04	4.23E+05	-132	2.10E+05	-7
L4	1.32E+05	2.83E+05	159	2.14E+05	59
NF	-4.32E+04	2.32E+05	67	2.92E+05	-171
NS	7.11E+04	7.97E+04	-122	2.87E+05	87

Table B–240. Minimum and maximum of M_y^{ptot} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-8.62E+05	6.88E+05	-6.99E+05	6.67E+05
A2	-5.21E+05	5.62E+05	-4.58E+05	5.36E+05
FD	-7.23E+05	9.20E+05	-6.39E+05	8.85E+05
L1	-6.78E+05	8.58E+05	-6.66E+05	8.42E+05
L3	-2.78E+05	8.33E+05	-2.64E+05	8.12E+05
L4	-4.52E+05	7.49E+05	-3.72E+05	4.55E+05
NF	-5.40E+05	3.75E+05	-5.01E+05	2.89E+05
NS	-2.87E+05	1.16E+06	-2.62E+05	7.33E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-121. Time history of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

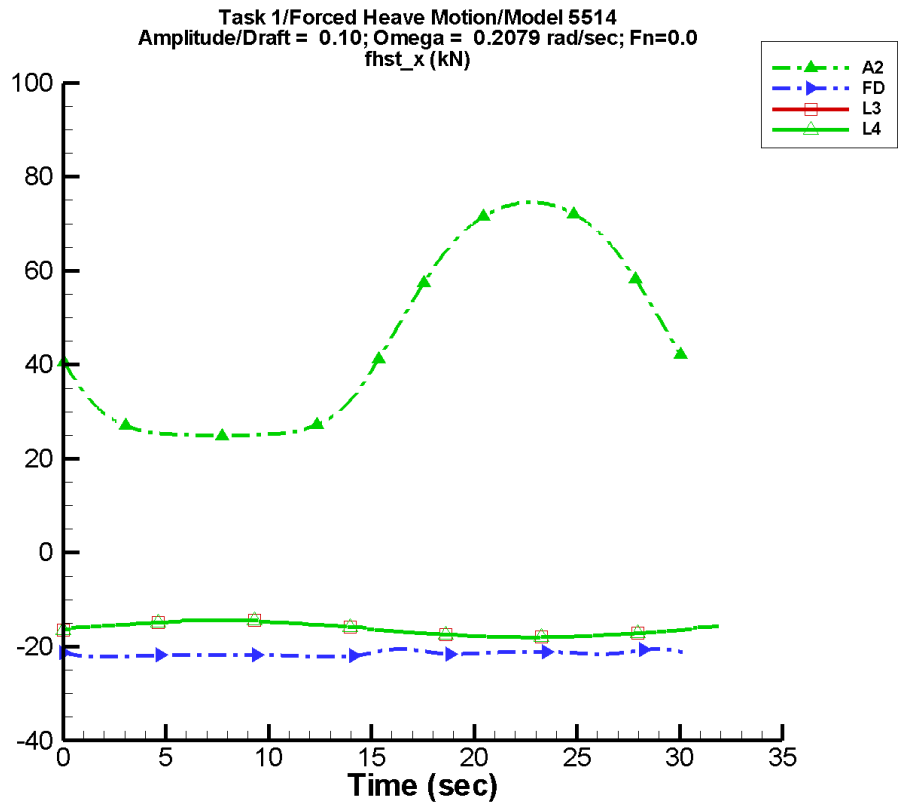
Table B–241. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	41.6	15.8	-180	1.62	-91
FD	-21.4	0.828	-177	0.120	74
L1	—	—	—	—	—
L3	-16.3	0.940	0	1.52E-02	75
L4	-16.3	0.940	0	1.52E-02	75
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–242. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	27.9	58.6	27.9	58.6
FD	-22.2	-20.5	-22.2	-20.5
L1	—	—	—	—
L3	-17.2	-15.4	-17.2	-15.4
L4	-17.2	-15.4	-17.2	-15.4
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-122. Time history of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

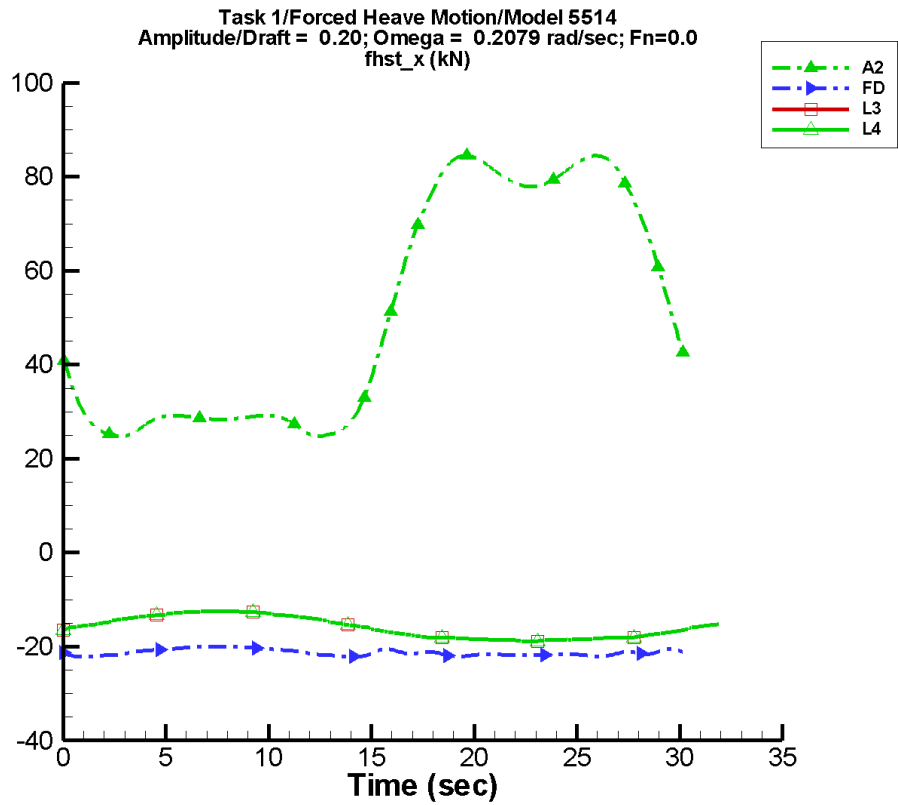
Table B–243. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	45.3	26.6	179	5.13	-94
FD	-21.5	0.403	-173	2.66E-02	53
L1	—	—	—	—	—
L3	-16.3	1.80	0	6.09E-02	-90
L4	-16.3	1.80	0	6.09E-02	-90
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–244. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	24.9	74.6	24.9	74.5
FD	-22.2	-20.5	-22.2	-20.5
L1	—	—	—	—
L3	-18.0	-14.3	-18.0	-14.3
L4	-18.0	-14.3	-18.0	-14.3
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-123. Time history of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

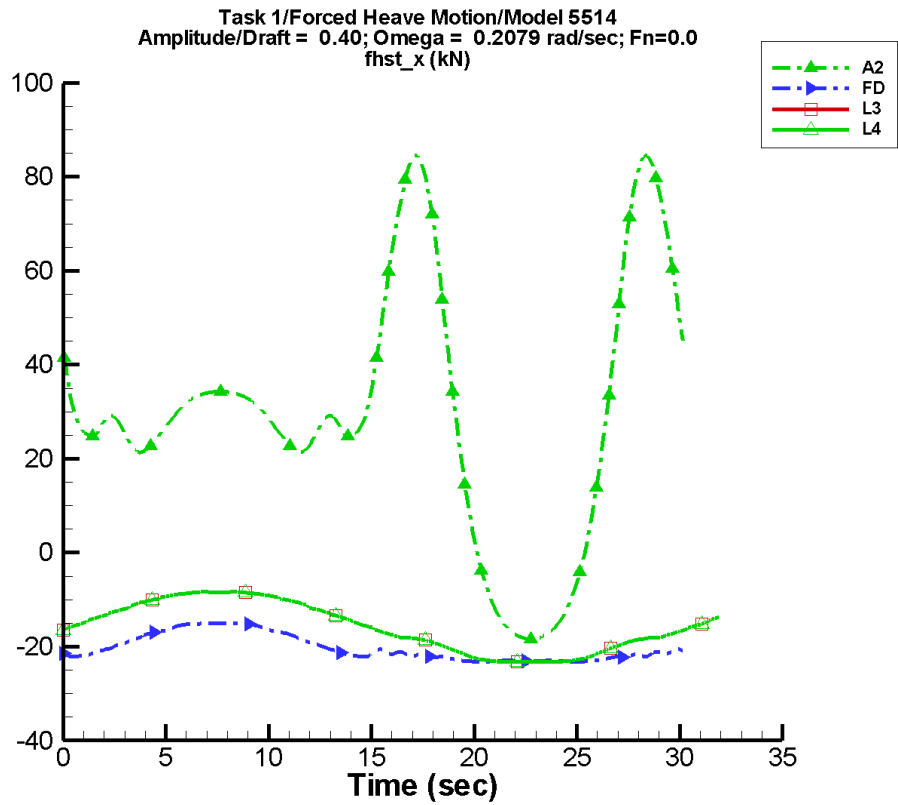
Table B–245. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	50.7	32.3	-180	7.71	-95
FD	-21.3	0.618	-7	0.390	-85
L1	—	—	—	—	—
L3	-15.9	3.17	-1	0.374	-91
L4	-15.9	3.17	-1	0.374	-91
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–246. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	24.8	84.5	24.9	84.4
FD	-22.2	-20.0	-22.1	-20.0
L1	—	—	—	—
L3	-18.8	-12.5	-18.8	-12.5
L4	-18.8	-12.5	-18.8	-12.5
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-124. Time history of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

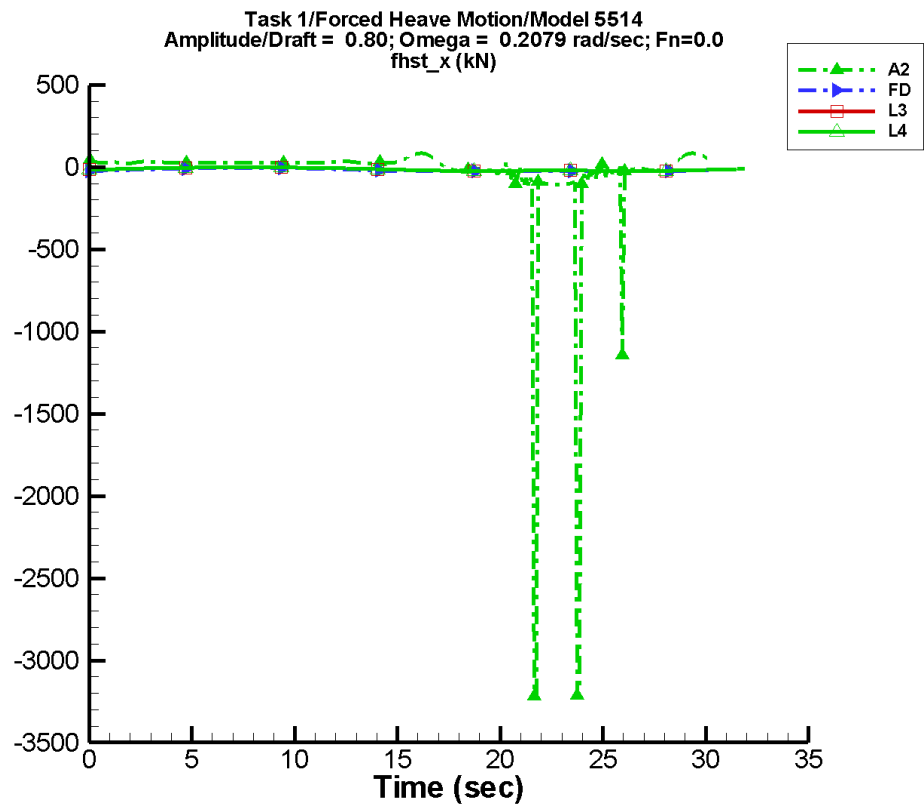
Table B–247. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	28.5	9.54	-19	20.1	92
FD	-20.4	3.62	-2	1.43	-87
L1	—	—	—	—	—
L3	-15.9	7.40	-1	0.171	-94
L4	-15.9	7.40	-1	0.171	-94
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–248. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	-18.4	84.5	-18.3	83.4
FD	-23.2	-15.0	-23.2	-15.0
L1	—	—	—	—
L3	-23.3	-8.26	-23.3	-8.33
L4	-23.3	-8.26	-23.3	-8.33
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-125. Time history of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

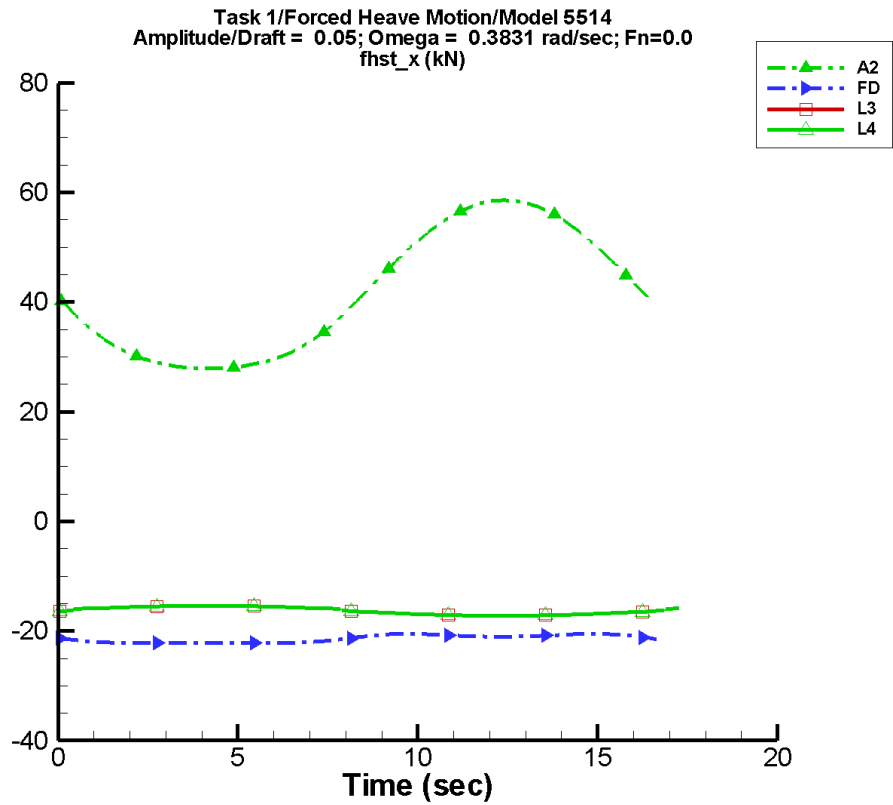
Table B–249. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	-41.0	131.	-6	103.	86
FD	-18.0	9.46	-1	3.28	-88
L1	—	—	—	—	—
L3	-14.1	11.2	0	2.13	-90
L4	-14.1	11.2	0	2.13	-90
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–250. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	-3.22E+03	84.5	-897.	78.4
FD	-25.2	-5.40	-25.1	-5.42
L1	—	—	—	—
L3	-24.8	-2.08	-24.7	-2.08
L4	-24.8	-2.08	-24.7	-2.08
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-126. Time history of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

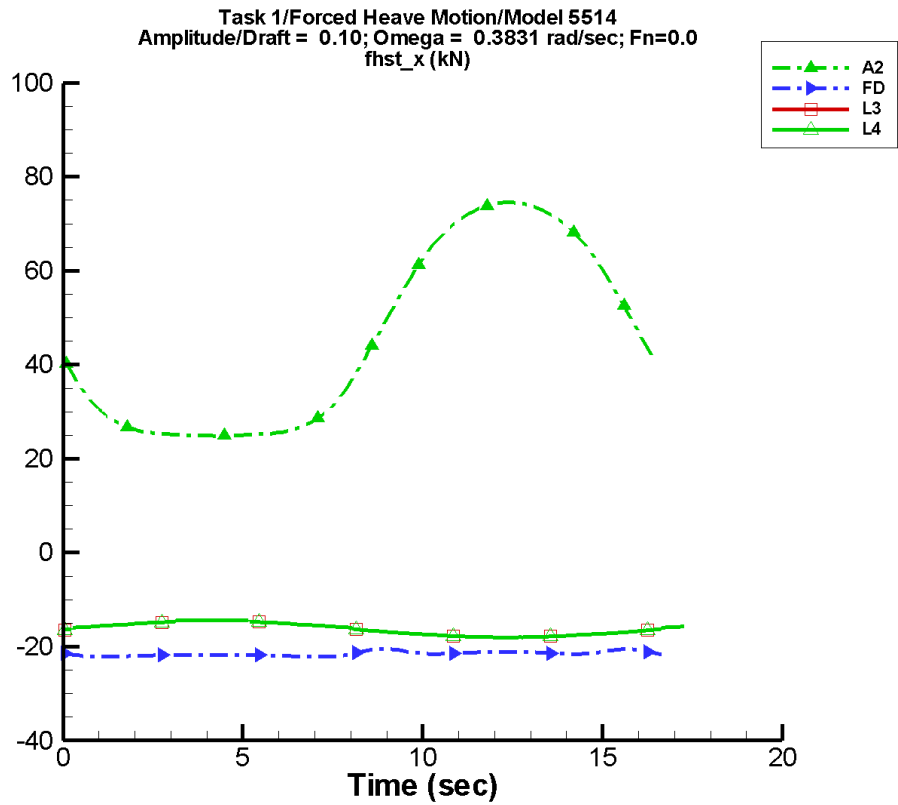
Table B–251. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	41.6	15.8	178	1.62	-96
FD	-21.4	0.816	-177	0.139	79
L1	—	—	—	—	—
L3	-16.3	0.946	-1	9.21E-03	29
L4	-16.3	0.946	-1	9.21E-03	29
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–252. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	27.9	58.6	27.8	58.5
FD	-22.2	-20.5	-22.2	-20.5
L1	—	—	—	—
L3	-17.2	-15.4	-17.2	-15.4
L4	-17.2	-15.4	-17.2	-15.4
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-127. Time history of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

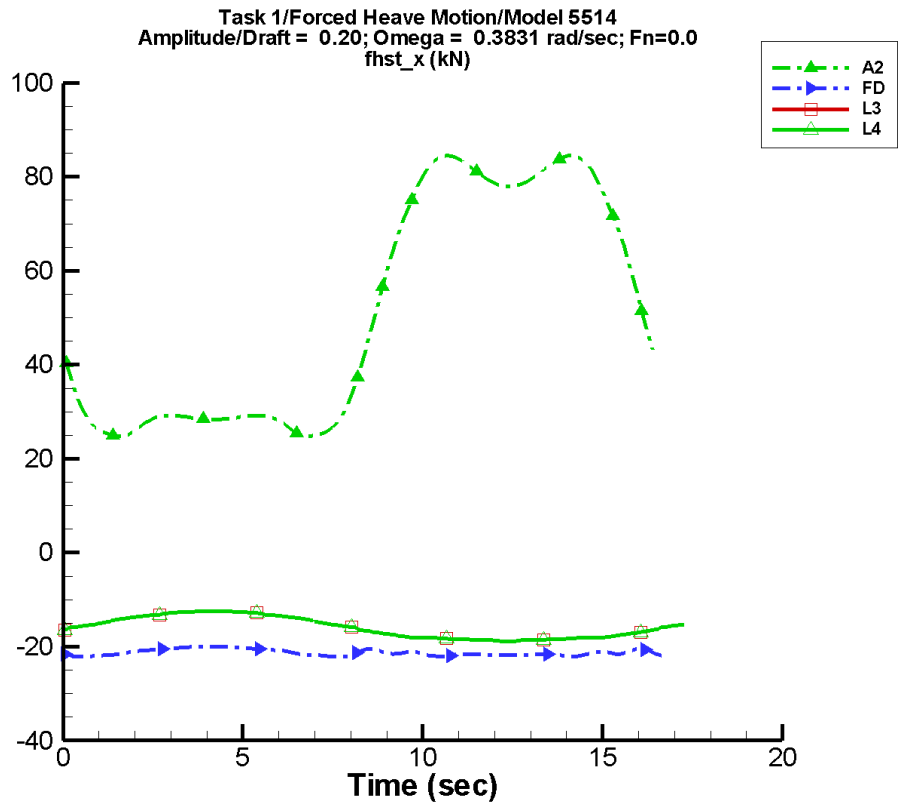
Table B–253. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	45.3	26.6	178	5.14	-96
FD	-21.5	0.393	-171	4.01E-02	34
L1	—	—	—	—	—
L3	-16.3	1.80	-1	5.07E-02	-96
L4	-16.3	1.80	-1	5.07E-02	-96
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–254. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	24.9	74.6	24.8	74.5
FD	-22.2	-20.5	-22.1	-20.6
L1	—	—	—	—
L3	-18.0	-14.3	-18.0	-14.3
L4	-18.0	-14.3	-18.0	-14.3
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-128. Time history of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

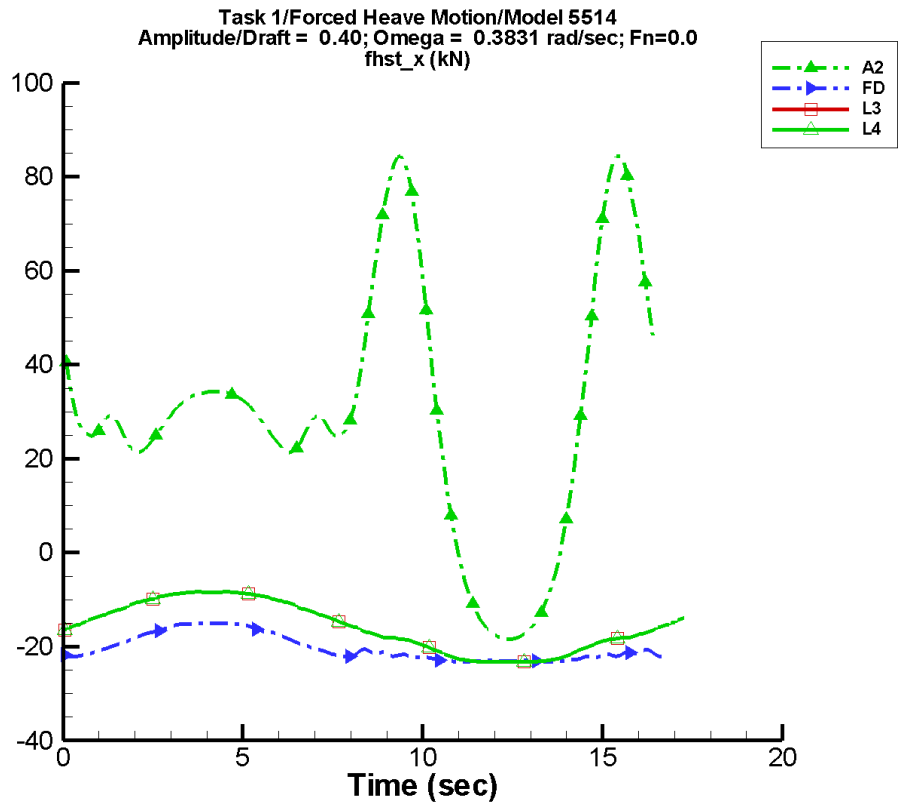
Table B–255. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	47.2	38.7	-174	10.9	-154
FD	-21.3	0.638	-7	0.373	-83
L1	—	—	—	—	—
L3	-15.9	3.18	-1	0.394	-91
L4	-15.9	3.18	-1	0.394	-91
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–256. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	-1.20E+03	84.5	-136.	84.2
FD	-22.2	-20.0	-22.1	-20.0
L1	—	—	—	—
L3	-18.8	-12.5	-18.8	-12.5
L4	-18.8	-12.5	-18.8	-12.5
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-129. Time history of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

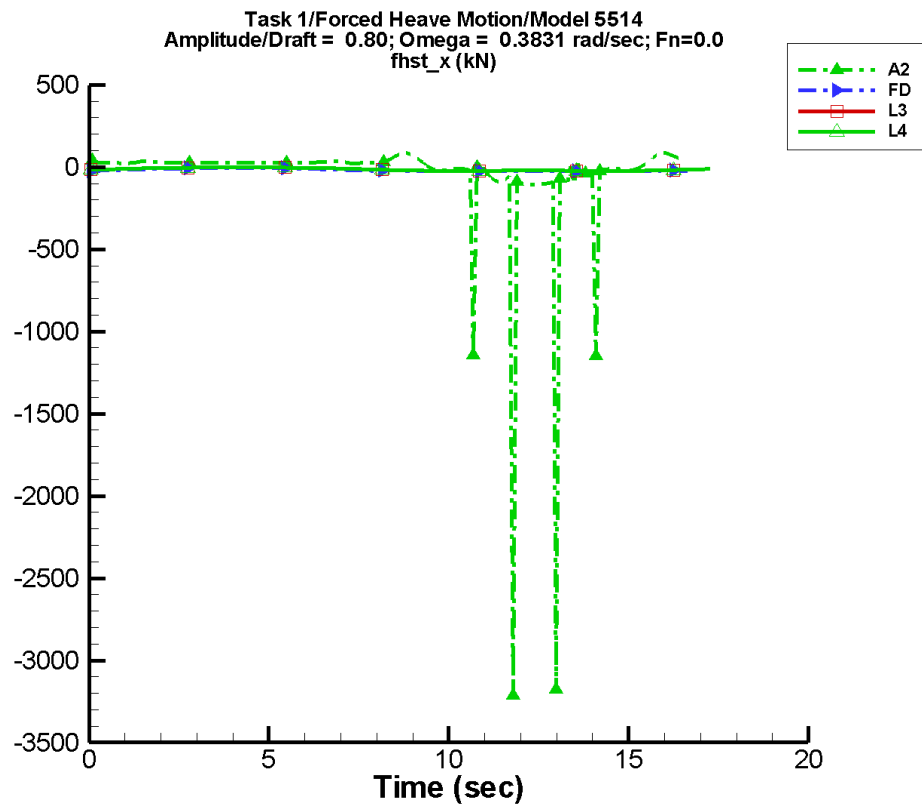
Table B–257. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	28.5	9.67	-20	20.0	90
FD	-20.4	3.64	-2	1.39	-87
L1	—	—	—	—	—
L3	-15.9	7.38	-2	0.147	-100
L4	-15.9	7.38	-2	0.147	-100
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–258. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	-18.4	84.4	-18.1	80.9
FD	-23.2	-15.0	-23.2	-15.1
L1	—	—	—	—
L3	-23.3	-8.27	-23.3	-8.36
L4	-23.3	-8.27	-23.3	-8.36
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-130. Time history of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

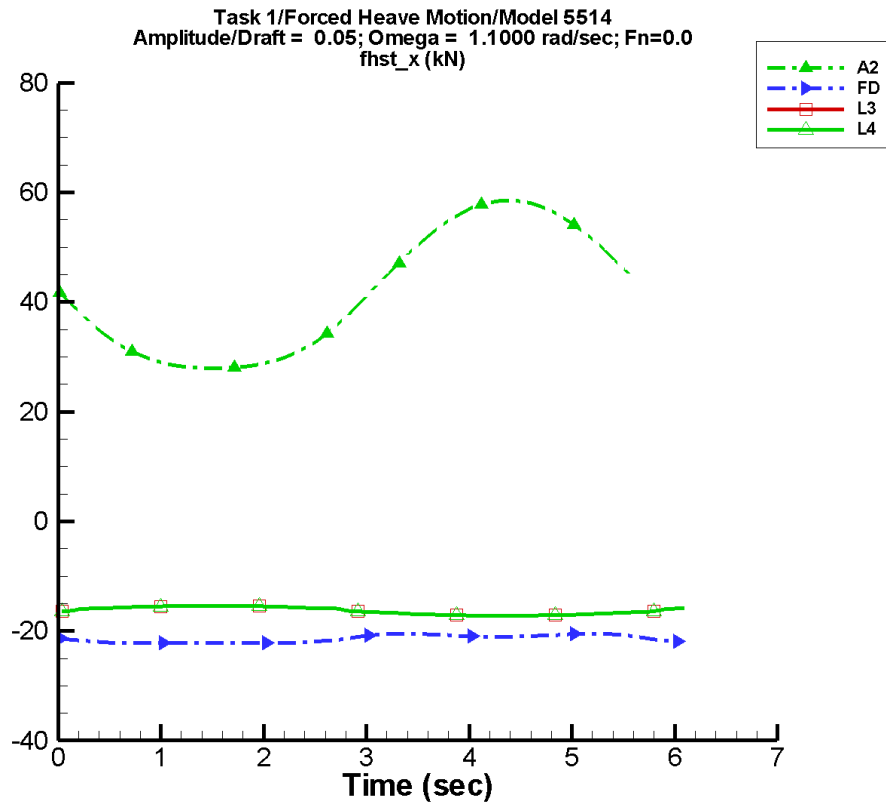
Table B–259. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	-47.6	141.	-5	103.	88
FD	-18.0	9.48	-1	3.23	-89
L1	—	—	—	—	—
L3	-14.0	11.3	0	2.39	-89
L4	-14.0	11.3	0	2.39	-89
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–260. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	-3.21E+03	84.5	-495.	75.3
FD	-25.2	-5.40	-25.0	-5.50
L1	—	—	—	—
L3	-24.8	-2.08	-24.7	-2.08
L4	-24.8	-2.08	-24.7	-2.08
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-131. Time history of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

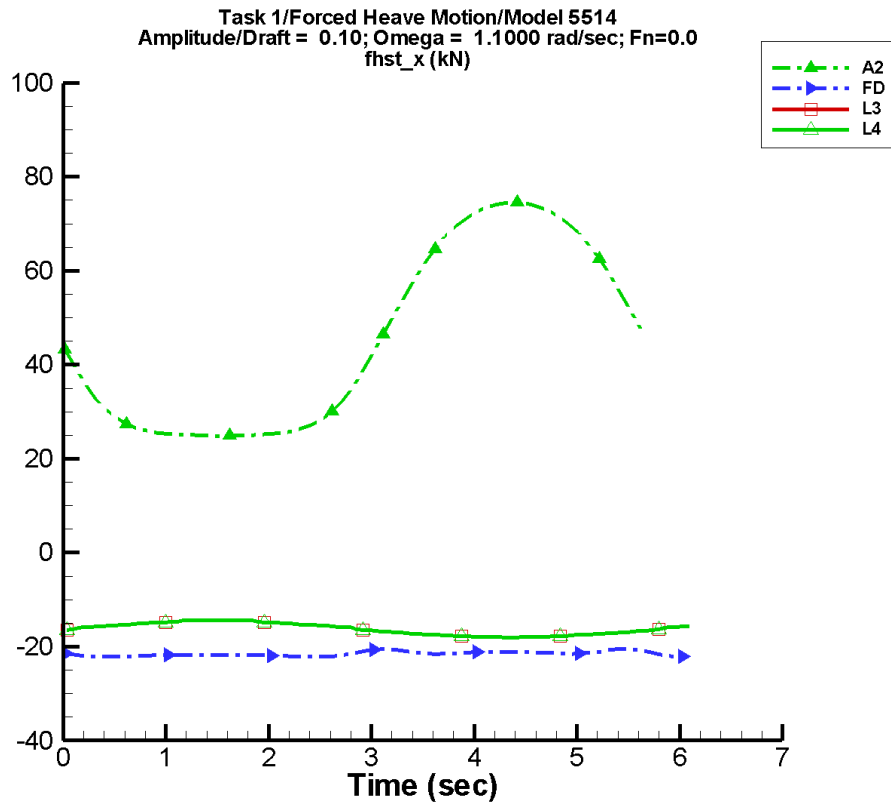
Table B–261. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	41.6	15.8	174	1.60	-104
FD	-21.4	0.835	-179	7.95E-02	86
L1	—	—	—	—	—
L3	-16.3	0.942	-4	1.70E-02	78
L4	-16.3	0.942	-4	1.70E-02	78
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–262. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	27.9	58.6	28.1	58.0
FD	-22.2	-20.5	-22.2	-20.6
L1	—	—	—	—
L3	-17.2	-15.4	-17.2	-15.4
L4	-17.2	-15.4	-17.2	-15.4
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-132. Time history of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

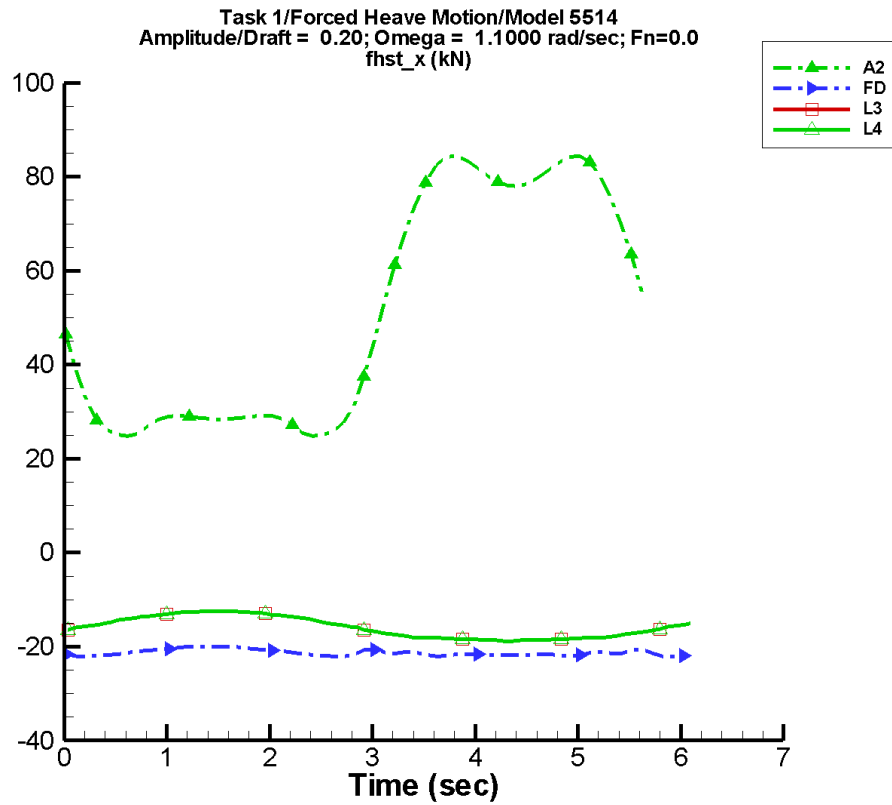
Table B–263. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	45.3	26.6	174	5.08	-104
FD	-21.5	0.421	-175	2.40E-02	-42
L1	—	—	—	—	—
L3	-16.3	1.80	-4	5.47E-02	-97
L4	-16.3	1.80	-4	5.47E-02	-97
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–264. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	24.9	74.6	24.8	73.8
FD	-22.2	-20.5	-22.0	-21.0
L1	—	—	—	—
L3	-18.0	-14.3	-18.0	-14.3
L4	-18.0	-14.3	-18.0	-14.3
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-133. Time history of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

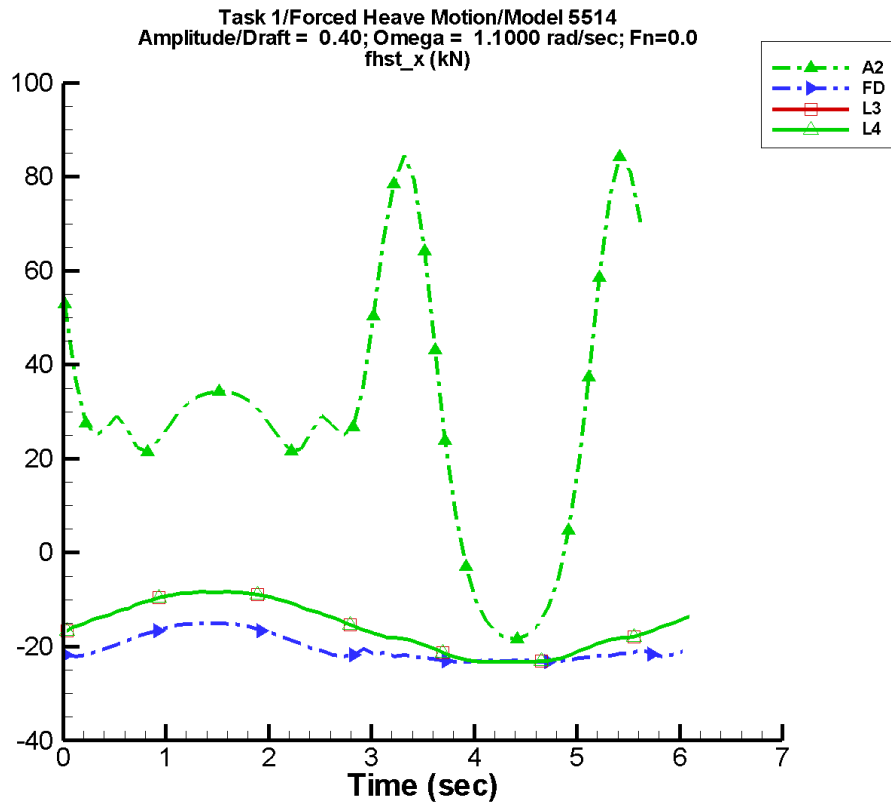
Table B–265. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	50.6	32.3	175	7.60	-105
FD	-21.3	0.594	-5	0.429	-86
L1	—	—	—	—	—
L3	-15.9	3.17	-4	0.368	-97
L4	-15.9	3.17	-4	0.368	-97
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–266. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	24.8	84.4	26.5	81.8
FD	-22.1	-20.0	-21.8	-20.1
L1	—	—	—	—
L3	-18.8	-12.5	-18.7	-12.5
L4	-18.8	-12.5	-18.7	-12.5
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-134. Time history of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

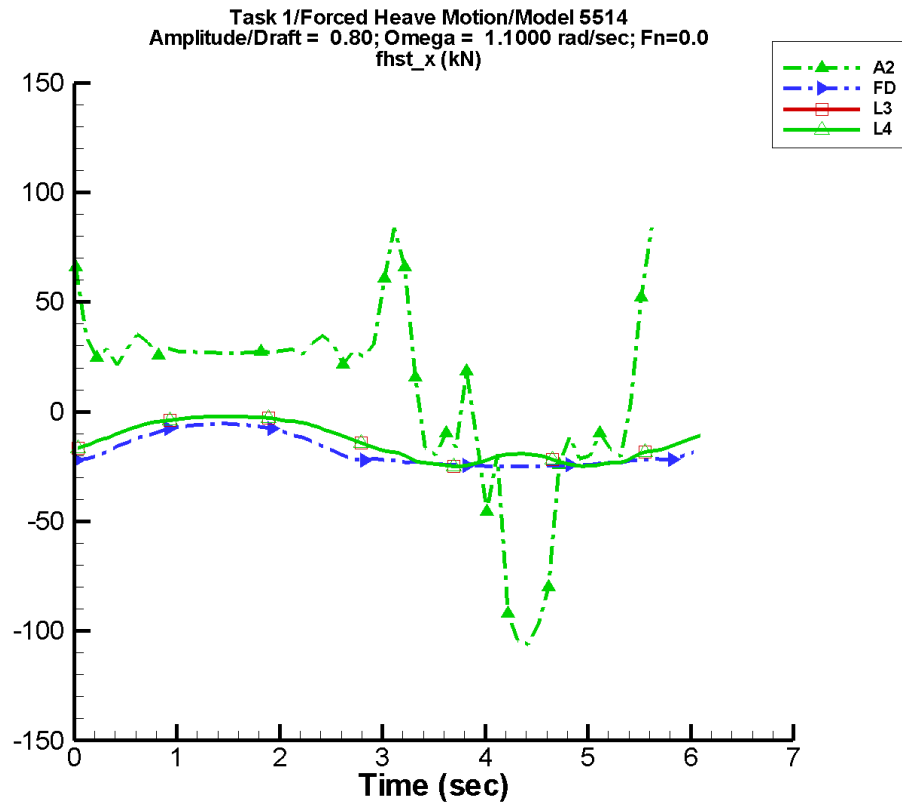
Table B–267. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	28.3	8.97	-24	20.9	82
FD	-20.4	3.59	-1	1.52	-89
L1	—	—	—	—	—
L3	-15.9	7.39	-4	0.202	-98
L4	-15.9	7.39	-4	0.202	-98
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–268. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	-18.3	84.5	-17.8	60.7
FD	-23.2	-15.0	-23.1	-15.2
L1	—	—	—	—
L3	-23.3	-8.27	-23.3	-8.37
L4	-23.3	-8.27	-23.3	-8.37
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-135. Time history of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

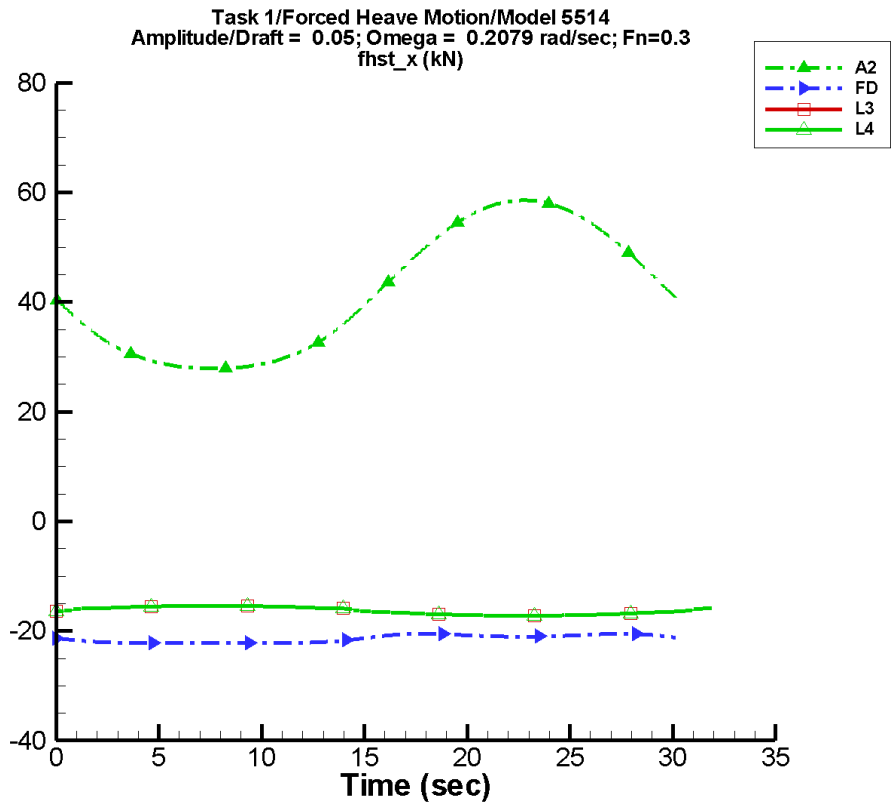
Table B–269. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	8.78	37.5	-10	31.2	77
FD	-18.0	9.45	0	3.43	-90
L1	—	—	—	—	—
L3	-14.0	11.2	-4	2.06	-97
L4	-14.0	11.2	-4	2.06	-97
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–270. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	-106.	84.1	-67.4	50.1
FD	-25.0	-5.40	-24.9	-5.92
L1	—	—	—	—
L3	-24.8	-2.08	-24.3	-2.14
L4	-24.8	-2.08	-24.3	-2.14
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-136. Time history of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

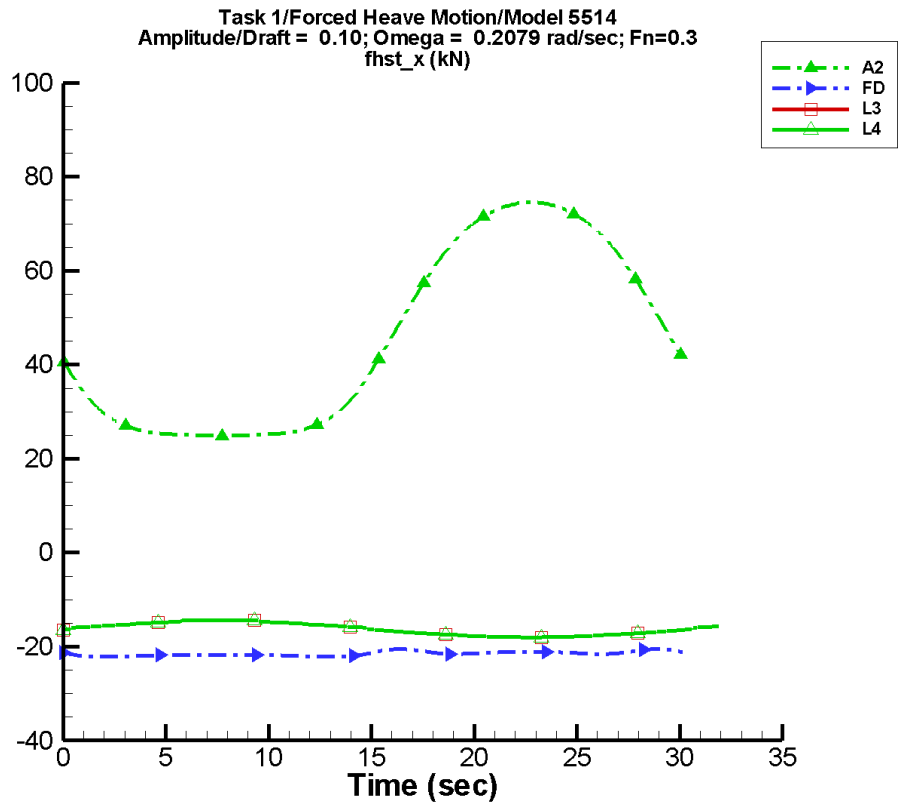
Table B–271. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	41.6	15.8	179	1.62	-94
FD	-21.4	0.828	-177	0.121	74
L1	—	—	—	—	—
L3	-16.3	0.940	0	1.51E-02	75
L4	-16.3	0.940	0	1.51E-02	75
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–272. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	27.9	58.6	27.9	58.6
FD	-22.2	-20.5	-22.2	-20.5
L1	—	—	—	—
L3	-17.2	-15.4	-17.2	-15.4
L4	-17.2	-15.4	-17.2	-15.4
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-137. Time history of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

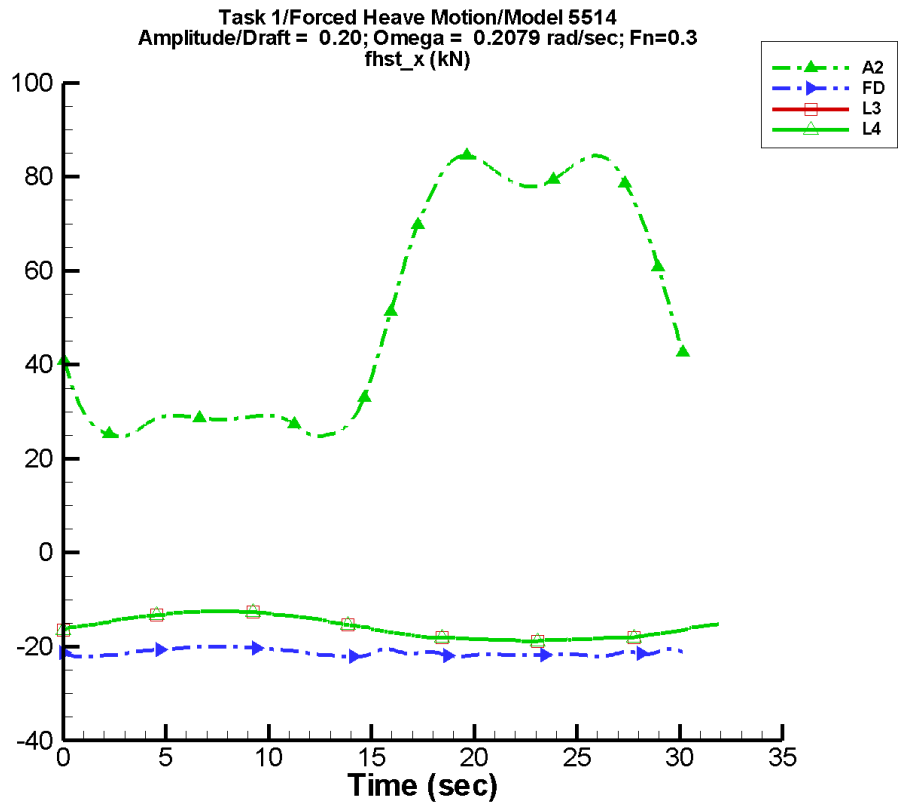
Table B–273. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	45.3	26.6	179	5.13	-94
FD	-21.5	0.403	-173	2.67E-02	53
L1	—	—	—	—	—
L3	-16.3	1.80	0	6.09E-02	-90
L4	-16.3	1.80	0	6.09E-02	-90
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–274. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	24.9	74.6	24.9	74.5
FD	-22.2	-20.5	-22.2	-20.5
L1	—	—	—	—
L3	-18.0	-14.3	-18.0	-14.3
L4	-18.0	-14.3	-18.0	-14.3
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-138. Time history of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

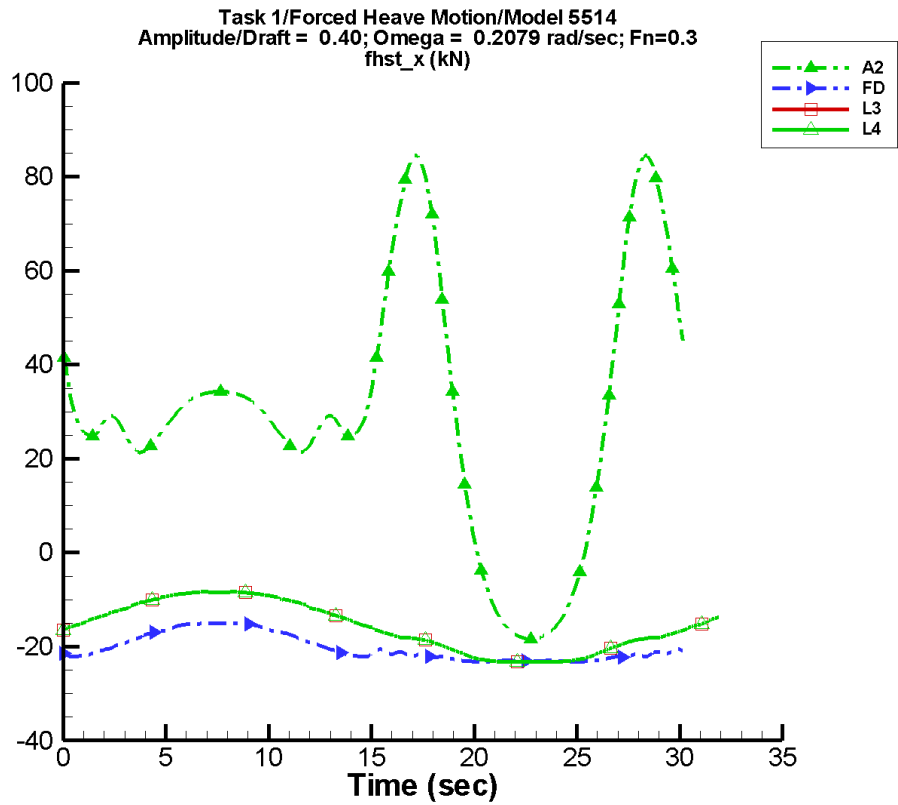
Table B–275. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	50.7	32.3	-180	7.71	-95
FD	-21.3	0.618	-7	0.390	-85
L1	—	—	—	—	—
L3	-15.9	3.17	-1	0.374	-91
L4	-15.9	3.17	-1	0.374	-91
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–276. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	24.8	84.5	24.9	84.4
FD	-22.2	-20.0	-22.1	-20.0
L1	—	—	—	—
L3	-18.8	-12.5	-18.8	-12.5
L4	-18.8	-12.5	-18.8	-12.5
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-139. Time history of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

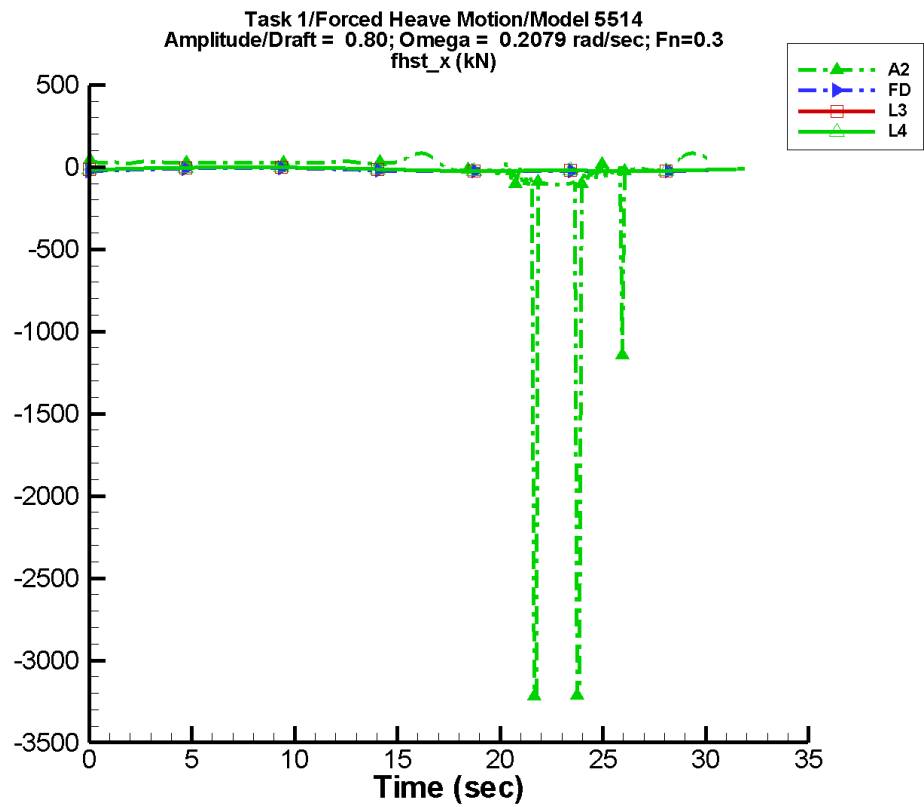
Table B–277. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	28.5	9.54	-19	20.1	92
FD	-20.4	3.62	-2	1.43	-87
L1	—	—	—	—	—
L3	-15.9	7.40	-1	0.171	-94
L4	-15.9	7.40	-1	0.171	-94
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–278. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	-18.4	84.5	-18.3	83.4
FD	-23.2	-15.0	-23.2	-15.0
L1	—	—	—	—
L3	-23.3	-8.26	-23.3	-8.33
L4	-23.3	-8.26	-23.3	-8.33
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-140. Time history of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

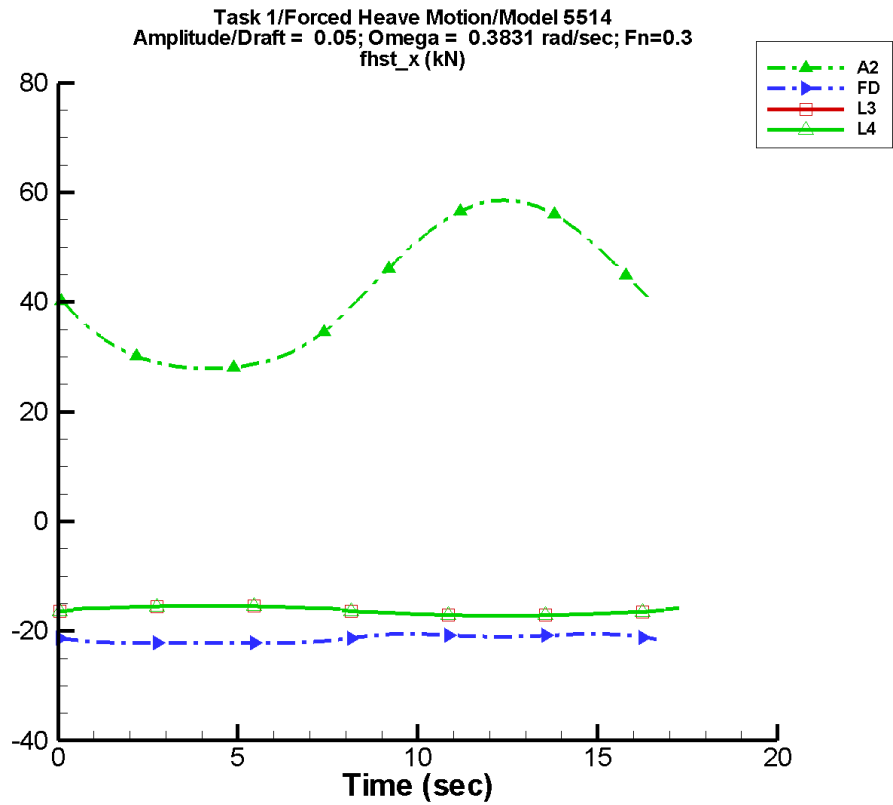
Table B–279. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	-41.0	131.	-6	103.	86
FD	-18.0	9.46	-1	3.28	-88
L1	—	—	—	—	—
L3	-14.1	11.2	0	2.13	-90
L4	-14.1	11.2	0	2.13	-90
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–280. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	-3.22E+03	84.5	-897.	78.4
FD	-25.2	-5.40	-25.1	-5.42
L1	—	—	—	—
L3	-24.8	-2.08	-24.7	-2.08
L4	-24.8	-2.08	-24.7	-2.08
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-141. Time history of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

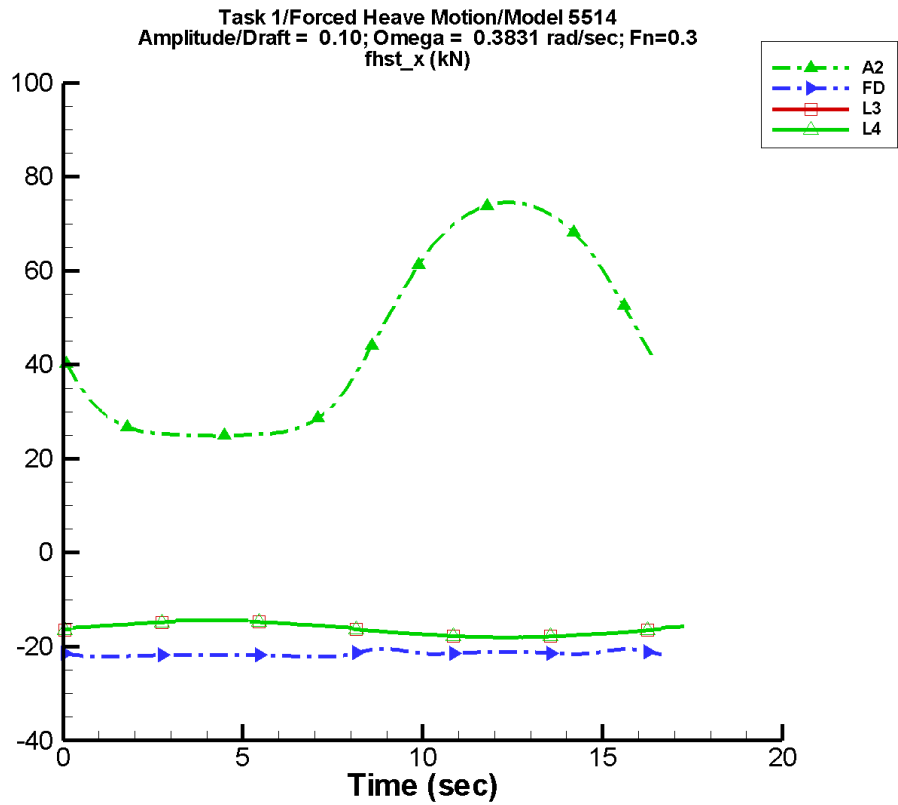
Table B–281. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	41.6	15.8	178	1.62	-96
FD	-21.4	0.816	-177	0.139	79
L1	—	—	—	—	—
L3	-16.3	0.946	-1	9.23E-03	29
L4	-16.3	0.946	-1	9.23E-03	29
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–282. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	27.9	58.6	27.8	58.5
FD	-22.2	-20.5	-22.2	-20.5
L1	—	—	—	—
L3	-17.2	-15.4	-17.2	-15.4
L4	-17.2	-15.4	-17.2	-15.4
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-142. Time history of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

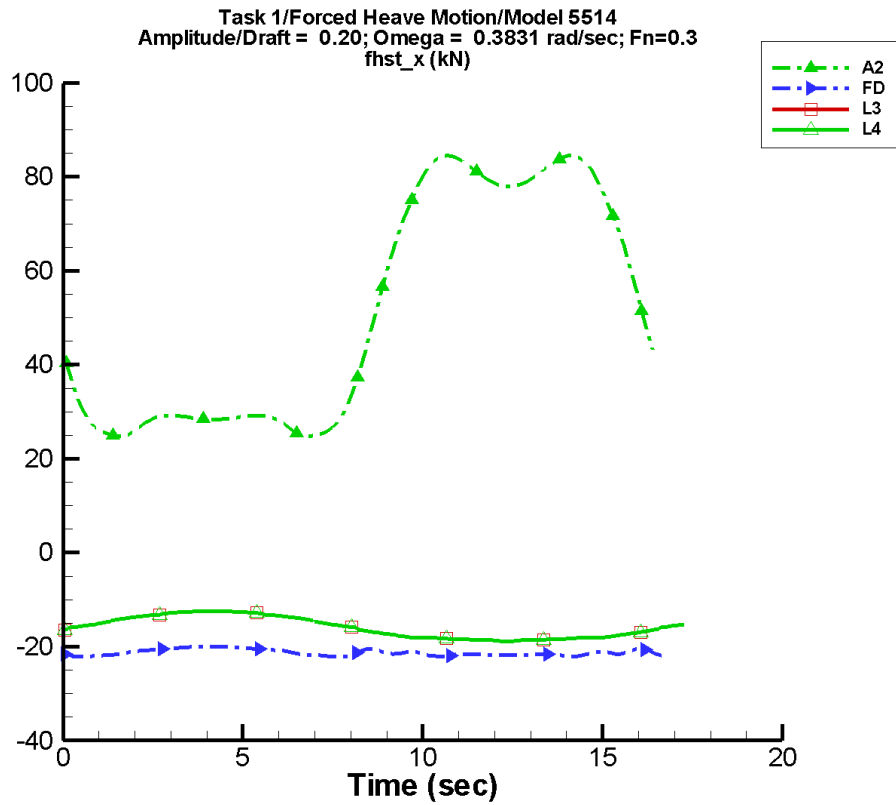
Table B–283. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	45.3	26.6	178	5.14	-96
FD	-21.5	0.392	-171	4.02E-02	34
L1	—	—	—	—	—
L3	-16.3	1.80	-1	5.06E-02	-96
L4	-16.3	1.80	-1	5.06E-02	-96
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–284. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	24.9	74.6	24.8	74.5
FD	-22.2	-20.5	-22.1	-20.6
L1	—	—	—	—
L3	-18.0	-14.3	-18.0	-14.3
L4	-18.0	-14.3	-18.0	-14.3
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-143. Time history of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

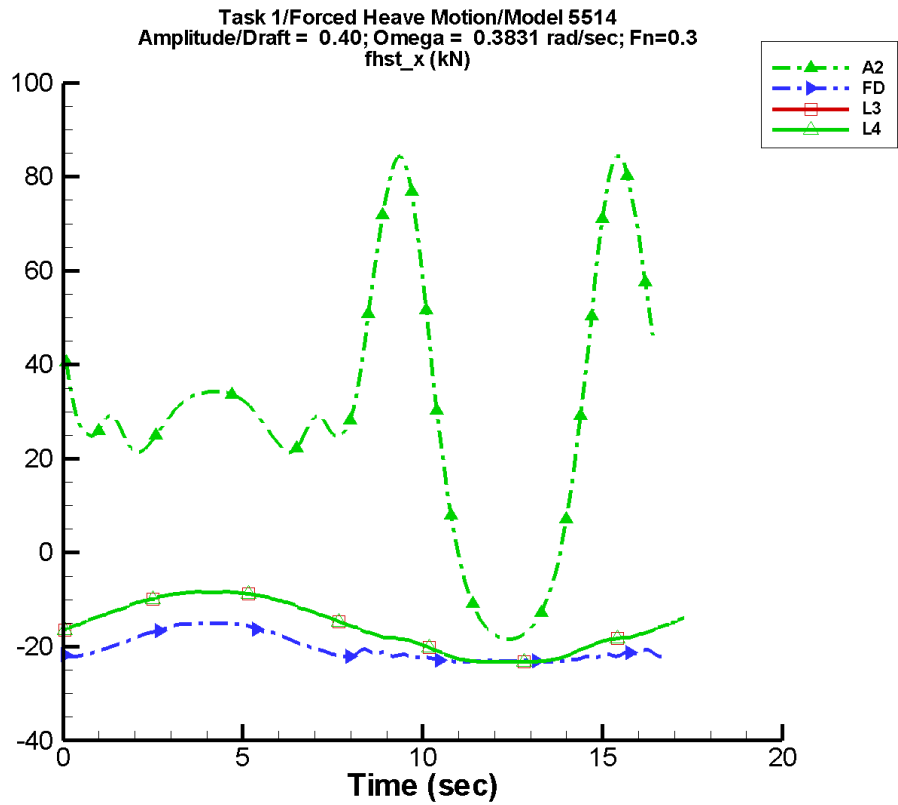
Table B–285. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	47.2	38.7	-174	10.9	-154
FD	-21.3	0.638	-7	0.373	-83
L1	—	—	—	—	—
L3	-15.9	3.18	-1	0.394	-91
L4	-15.9	3.18	-1	0.394	-91
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–286. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	-1.20E+03	84.5	-136.	84.2
FD	-22.2	-20.0	-22.1	-20.0
L1	—	—	—	—
L3	-18.8	-12.5	-18.8	-12.5
L4	-18.8	-12.5	-18.8	-12.5
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-144. Time history of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

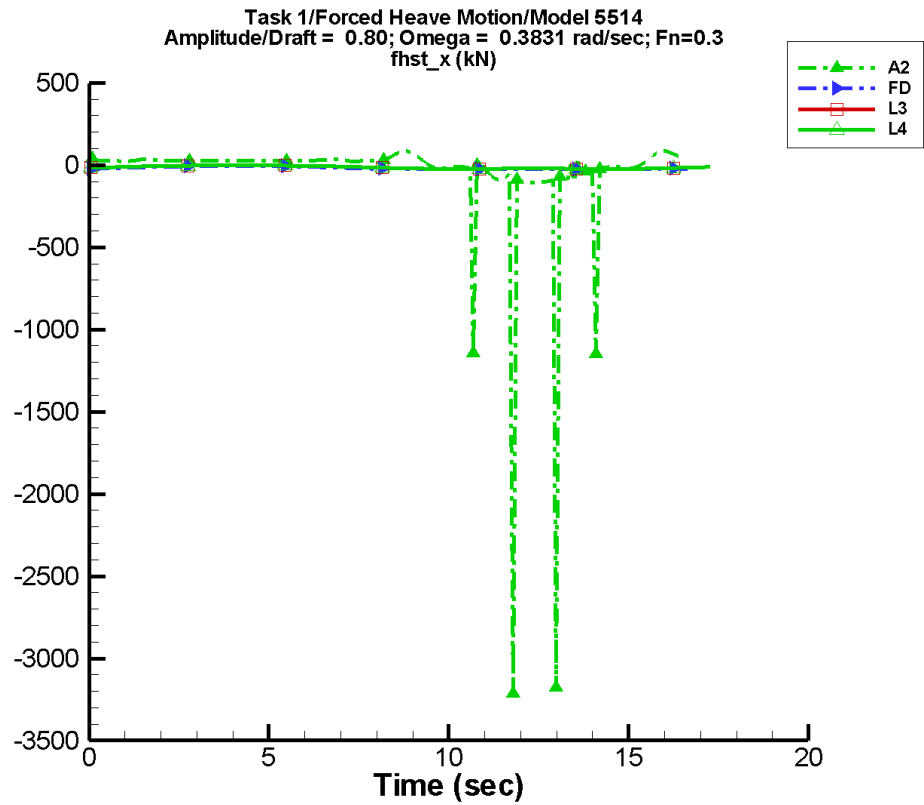
Table B–287. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	28.5	9.67	-20	20.0	90
FD	-20.4	3.64	-2	1.39	-87
L1	—	—	—	—	—
L3	-15.9	7.38	-2	0.147	-100
L4	-15.9	7.38	-2	0.147	-100
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–288. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	-18.4	84.4	-18.1	80.9
FD	-23.2	-15.0	-23.2	-15.1
L1	—	—	—	—
L3	-23.3	-8.27	-23.3	-8.36
L4	-23.3	-8.27	-23.3	-8.36
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-145. Time history of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

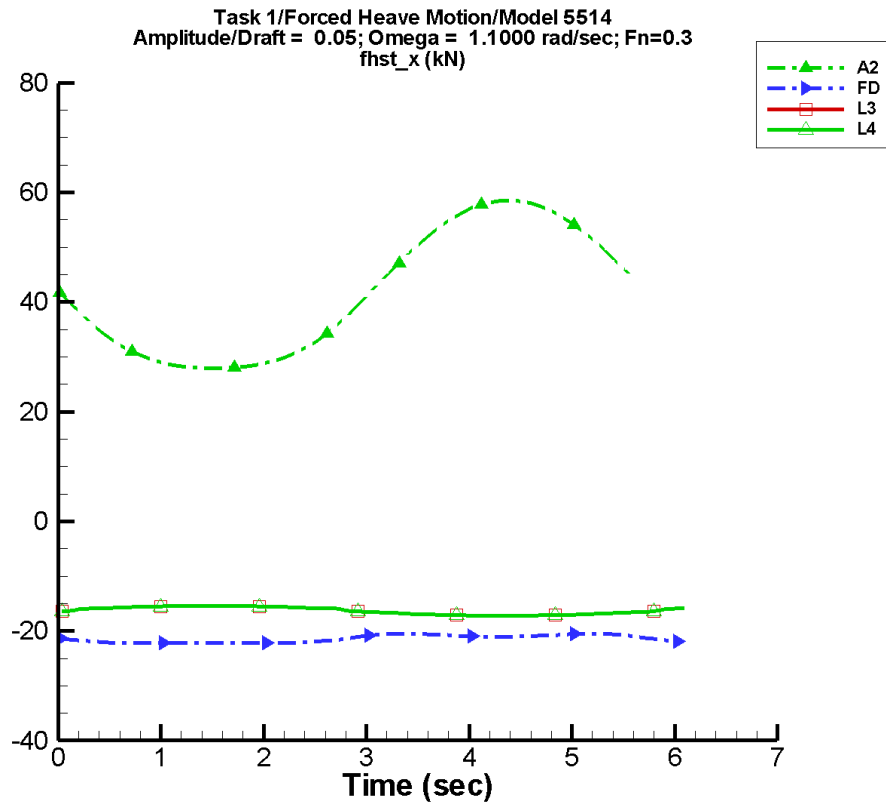
Table B–289. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	-47.6	141.	-5	103.	88
FD	-18.0	9.48	-1	3.23	-89
L1	—	—	—	—	—
L3	-14.0	11.3	0	2.39	-89
L4	-14.0	11.3	0	2.39	-89
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–290. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	-3.21E+03	84.5	-495.	75.3
FD	-25.2	-5.40	-25.0	-5.50
L1	—	—	—	—
L3	-24.8	-2.08	-24.7	-2.08
L4	-24.8	-2.08	-24.7	-2.08
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-146. Time history of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

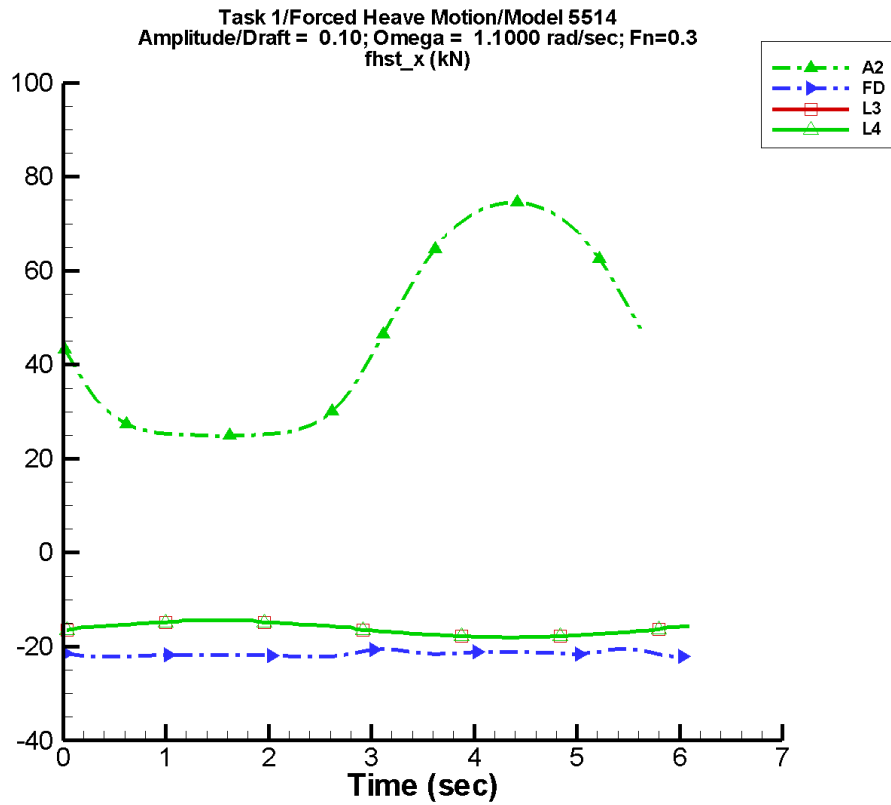
Table B–291. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	41.6	15.8	174	1.60	-104
FD	-21.4	0.834	-179	7.96E-02	86
L1	—	—	—	—	—
L3	-16.3	0.942	-4	1.70E-02	78
L4	-16.3	0.942	-4	1.70E-02	78
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–292. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	27.9	58.6	28.1	58.0
FD	-22.2	-20.5	-22.2	-20.6
L1	—	—	—	—
L3	-17.2	-15.4	-17.2	-15.4
L4	-17.2	-15.4	-17.2	-15.4
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-147. Time history of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

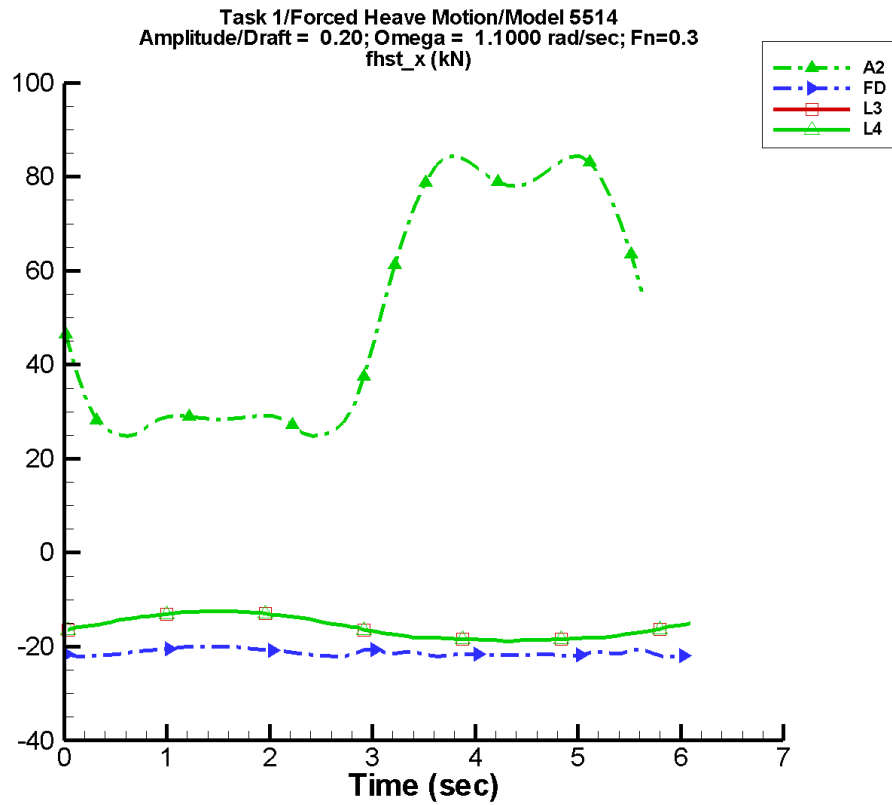
Table B–293. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	45.3	26.6	174	5.08	-104
FD	-21.5	0.421	-175	2.39E-02	-42
L1	—	—	—	—	—
L3	-16.3	1.80	-4	5.46E-02	-97
L4	-16.3	1.80	-4	5.46E-02	-97
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–294. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	24.9	74.6	24.8	73.8
FD	-22.2	-20.5	-22.0	-21.0
L1	—	—	—	—
L3	-18.0	-14.3	-18.0	-14.3
L4	-18.0	-14.3	-18.0	-14.3
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-148. Time history of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

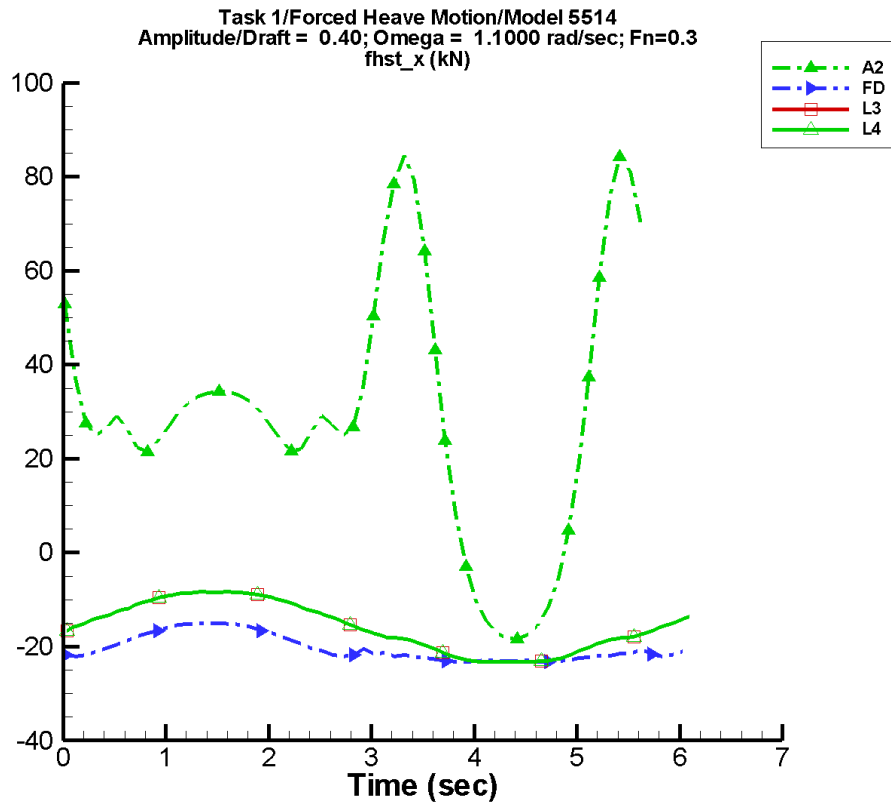
Table B–295. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	50.6	32.3	175	7.60	-105
FD	-21.3	0.593	-5	0.429	-86
L1	—	—	—	—	—
L3	-15.9	3.17	-4	0.368	-97
L4	-15.9	3.17	-4	0.368	-97
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–296. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	24.8	84.4	26.5	81.8
FD	-22.1	-20.0	-21.8	-20.1
L1	—	—	—	—
L3	-18.8	-12.5	-18.7	-12.5
L4	-18.8	-12.5	-18.7	-12.5
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-149. Time history of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

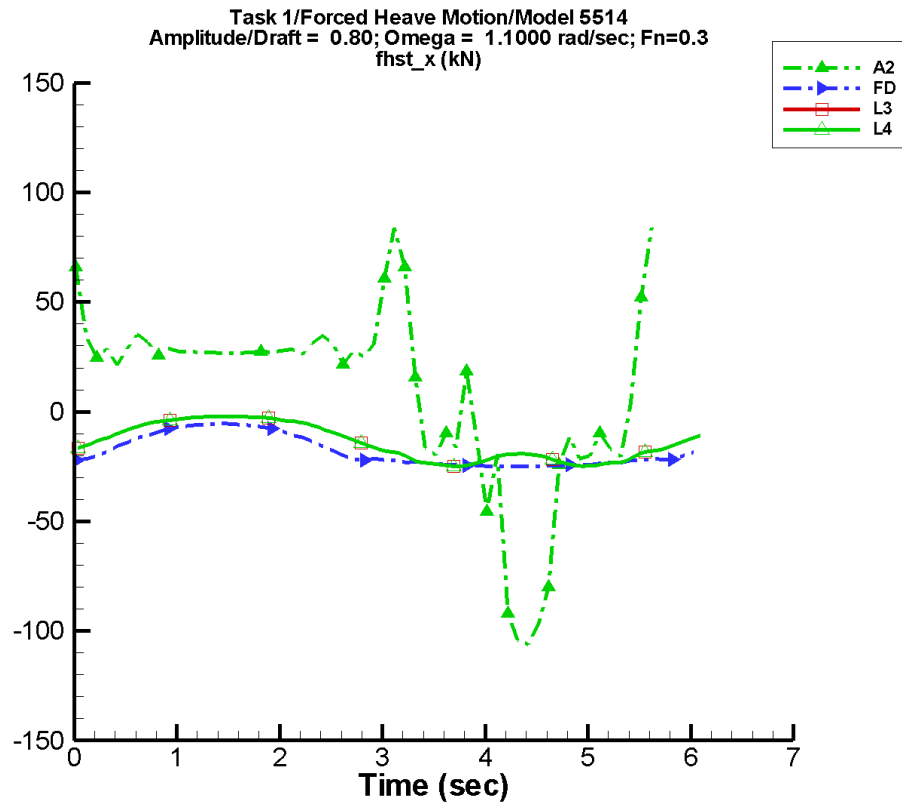
Table B–297. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	28.3	8.97	-24	20.9	82
FD	-20.4	3.59	-1	1.51	-89
L1	—	—	—	—	—
L3	-15.9	7.39	-4	0.202	-98
L4	-15.9	7.39	-4	0.202	-98
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–298. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	-18.3	84.5	-17.8	60.7
FD	-23.2	-15.0	-23.1	-15.2
L1	—	—	—	—
L3	-23.3	-8.27	-23.3	-8.37
L4	-23.3	-8.27	-23.3	-8.37
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from AEGIR-1, LAMP-1, NFA and NSHIPMO.

Figure B-150. Time history of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

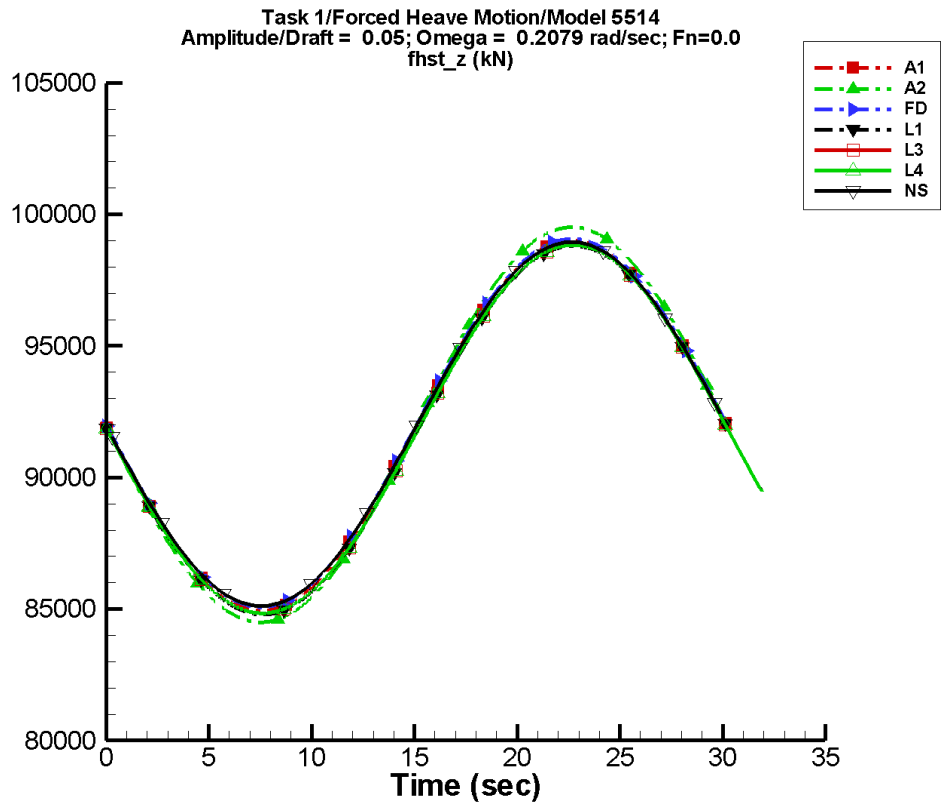
Table B–299. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	—	—	—	—	—
A2	8.78	37.5	-10	31.2	77
FD	-18.0	9.45	0	3.43	-90
L1	—	—	—	—	—
L3	-14.0	11.2	-4	2.06	-97
L4	-14.0	11.2	-4	2.06	-97
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–300. Minimum and maximum of F_x^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	—	—	—	—
A2	-106.	84.1	-67.4	50.1
FD	-25.0	-5.40	-24.9	-5.92
L1	—	—	—	—
L3	-24.8	-2.08	-24.3	-2.14
L4	-24.8	-2.08	-24.3	-2.14
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-151. Time history of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

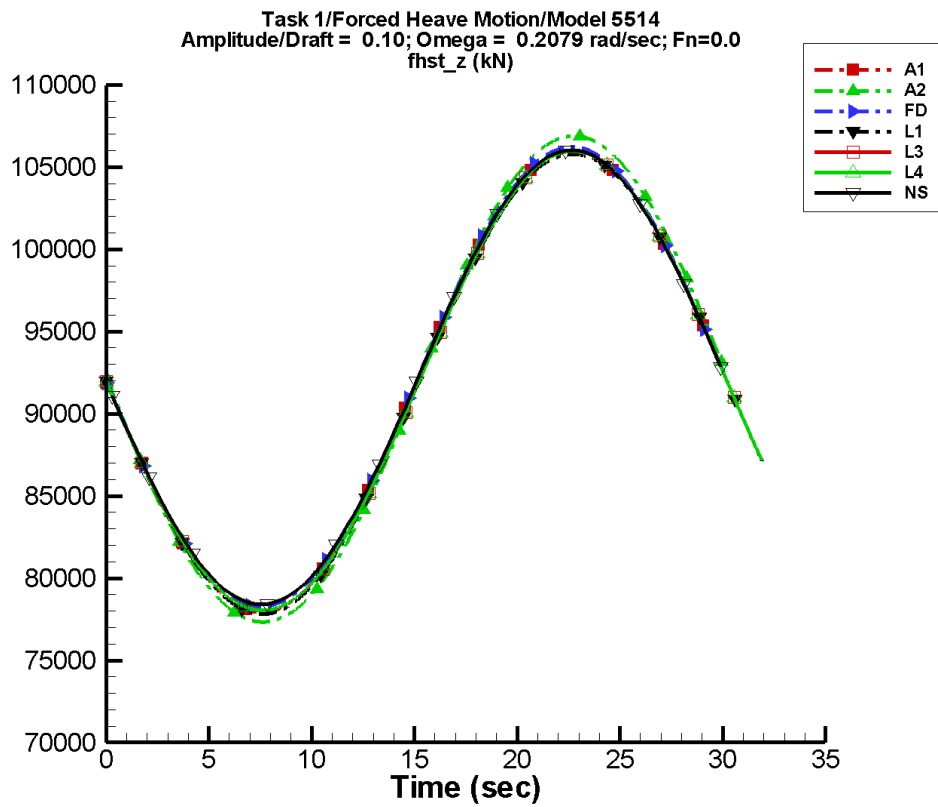
Table B–301. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	7.03E+03	180	1.03E-02	125
A2	9.20E+04	7.52E+03	-180	18.9	-95
FD	9.20E+04	7.00E+03	-180	27.0	-90
L1	9.18E+04	7.01E+03	179	1.31E-02	-141
L3	9.18E+04	7.00E+03	179	27.0	-91
L4	9.18E+04	7.00E+03	179	27.0	-91
NF	—	—	—	—	—
NS	9.20E+04	6.92E+03	-180	32.9	-90

Table B–302. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	8.49E+04	9.90E+04	8.49E+04	9.90E+04
A2	8.45E+04	9.95E+04	8.45E+04	9.95E+04
FD	8.51E+04	9.91E+04	8.51E+04	9.91E+04
L1	8.48E+04	9.88E+04	8.48E+04	9.88E+04
L3	8.48E+04	9.88E+04	8.48E+04	9.88E+04
L4	8.48E+04	9.88E+04	8.48E+04	9.88E+04
NF	—	—	—	—
NS	8.51E+04	9.89E+04	8.52E+04	9.89E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-152. Time history of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

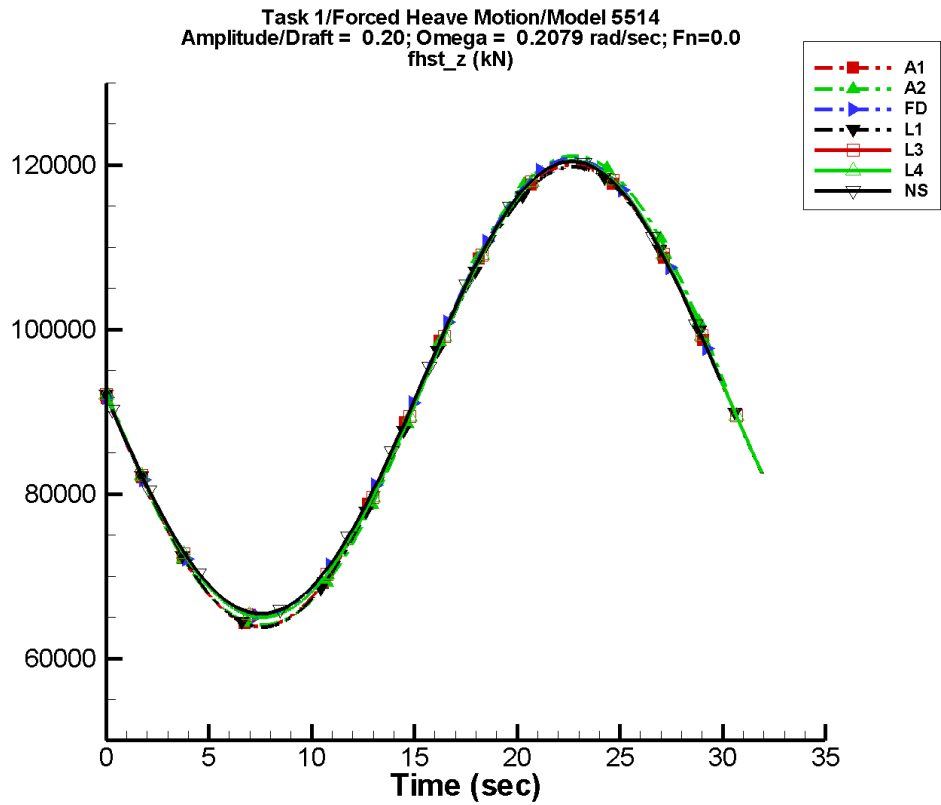
Table B–303. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	1.40E+04	180	2.44E-02	149
A2	9.20E+04	1.48E+04	179	80.1	-96
FD	9.21E+04	1.40E+04	-180	112.	-90
L1	9.18E+04	1.40E+04	179	1.57E-02	-169
L3	9.19E+04	1.40E+04	179	112.	-92
L4	9.19E+04	1.40E+04	179	112.	-92
NF	—	—	—	—	—
NS	9.21E+04	1.38E+04	180	124.	-90

Table B–304. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	7.79E+04	1.06E+05	7.79E+04	1.06E+05
A2	7.73E+04	1.07E+05	7.74E+04	1.07E+05
FD	7.83E+04	1.06E+05	7.83E+04	1.06E+05
L1	7.78E+04	1.06E+05	7.78E+04	1.06E+05
L3	7.80E+04	1.06E+05	7.81E+04	1.06E+05
L4	7.80E+04	1.06E+05	7.81E+04	1.06E+05
NF	—	—	—	—
NS	7.84E+04	1.06E+05	7.85E+04	1.06E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-153. Time history of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

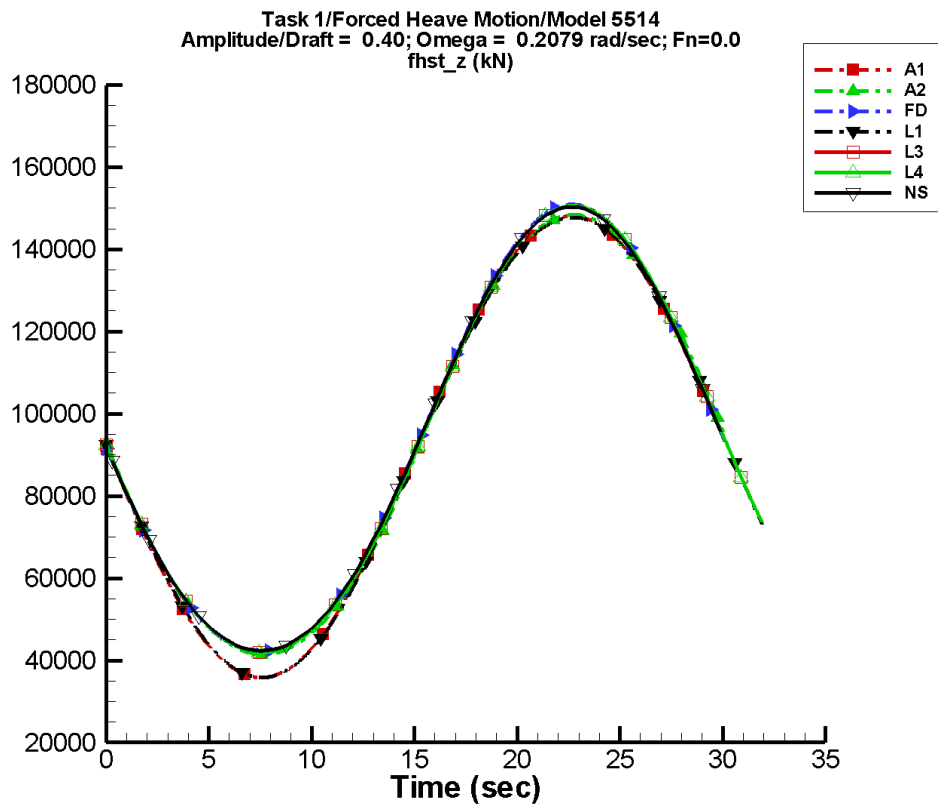
Table B–305. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	2.81E+04	180	2.15E-02	146
A2	9.23E+04	2.89E+04	179	358.	-97
FD	9.25E+04	2.79E+04	-180	494.	-89
L1	9.18E+04	2.80E+04	179	2.84E-02	-147
L3	9.23E+04	2.78E+04	179	502.	-92
L4	9.23E+04	2.78E+04	179	502.	-92
NF	—	—	—	—	—
NS	9.25E+04	2.75E+04	-180	488.	-90

Table B–306. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	6.39E+04	1.20E+05	6.39E+04	1.20E+05
A2	6.41E+04	1.21E+05	6.41E+04	1.21E+05
FD	6.52E+04	1.21E+05	6.52E+04	1.21E+05
L1	6.38E+04	1.20E+05	6.38E+04	1.20E+05
L3	6.50E+04	1.21E+05	6.50E+04	1.21E+05
L4	6.50E+04	1.21E+05	6.50E+04	1.21E+05
NF	—	—	—	—
NS	6.54E+04	1.20E+05	6.57E+04	1.20E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-154. Time history of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

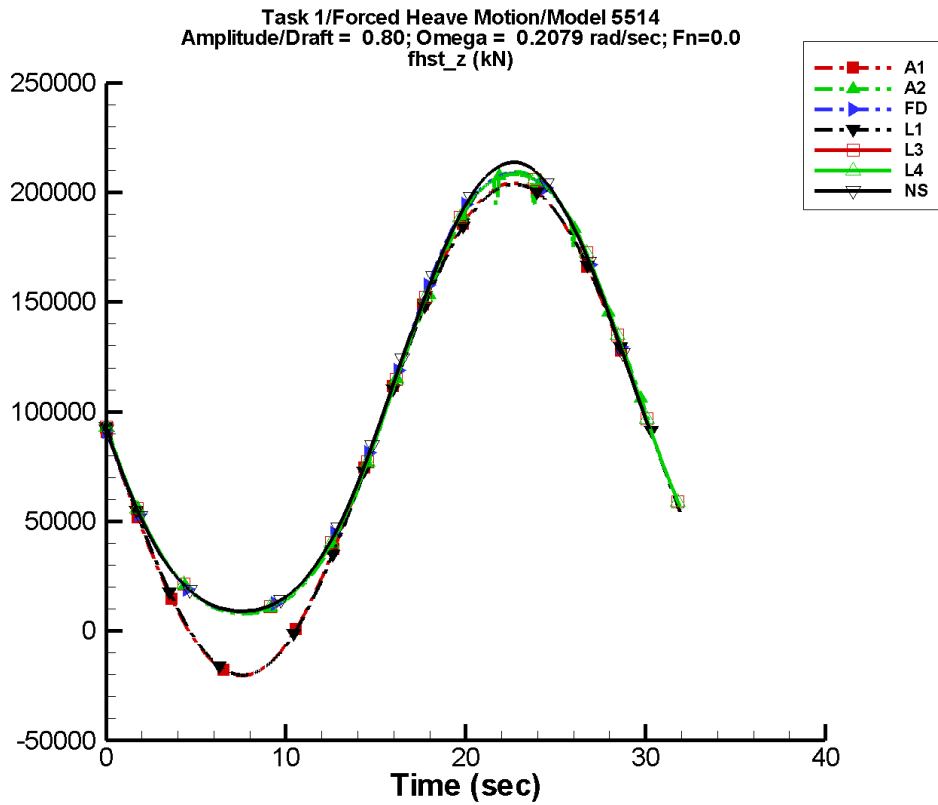
Table B–307. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	5.62E+04	180	5.60E-02	153
A2	9.33E+04	5.44E+04	179	1.66E+03	-96
FD	9.42E+04	5.48E+04	-180	2.32E+03	-89
L1	9.18E+04	5.60E+04	179	5.32E-03	66
L3	9.39E+04	5.47E+04	179	2.36E+03	-92
L4	9.39E+04	5.47E+04	179	2.36E+03	-92
NF	—	—	—	—	—
NS	9.41E+04	5.43E+04	-180	2.19E+03	-90

Table B–308. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	3.58E+04	1.48E+05	3.58E+04	1.48E+05
A2	4.14E+04	1.48E+05	4.15E+04	1.48E+05
FD	4.21E+04	1.51E+05	4.21E+04	1.51E+05
L1	3.58E+04	1.48E+05	3.59E+04	1.48E+05
L3	4.20E+04	1.51E+05	4.20E+04	1.51E+05
L4	4.20E+04	1.51E+05	4.20E+04	1.51E+05
NF	—	—	—	—
NS	4.23E+04	1.50E+05	4.28E+04	1.50E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-155. Time history of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

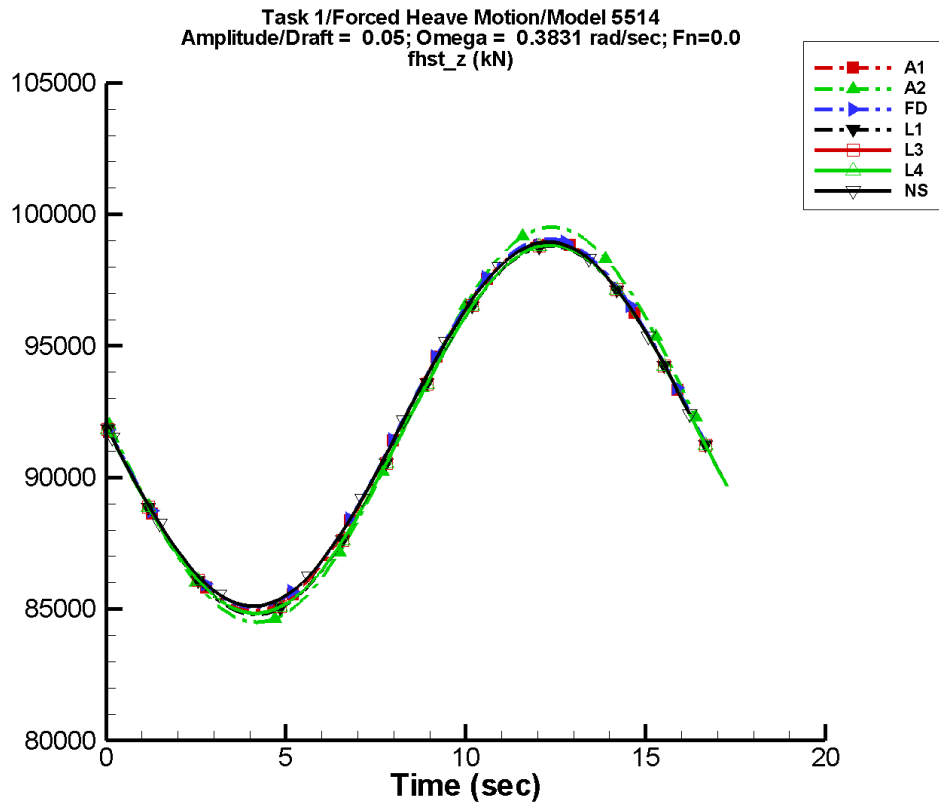
Table B–309. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	1.12E+05	180	0.113	157
A2	9.97E+04	1.03E+05	179	8.83E+03	-93
FD	1.01E+05	1.03E+05	-180	9.02E+03	-88
L1	9.18E+04	1.12E+05	179	1.17E-02	-137
L3	1.00E+05	1.03E+05	179	9.21E+03	-92
L4	1.00E+05	1.03E+05	179	9.21E+03	-92
NF	—	—	—	—	—
NS	1.01E+05	1.04E+05	180	9.75E+03	-90

Table B–310. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-2.04E+04	2.04E+05	-2.04E+04	2.04E+05
A2	7.81E+03	2.09E+05	7.77E+03	2.10E+05
FD	8.79E+03	2.09E+05	8.84E+03	2.09E+05
L1	-2.01E+04	2.04E+05	-2.01E+04	2.04E+05
L3	8.71E+03	2.08E+05	8.73E+03	2.08E+05
L4	8.71E+03	2.08E+05	8.73E+03	2.08E+05
NF	—	—	—	—
NS	8.99E+03	2.14E+05	9.21E+03	2.13E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-156. Time history of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

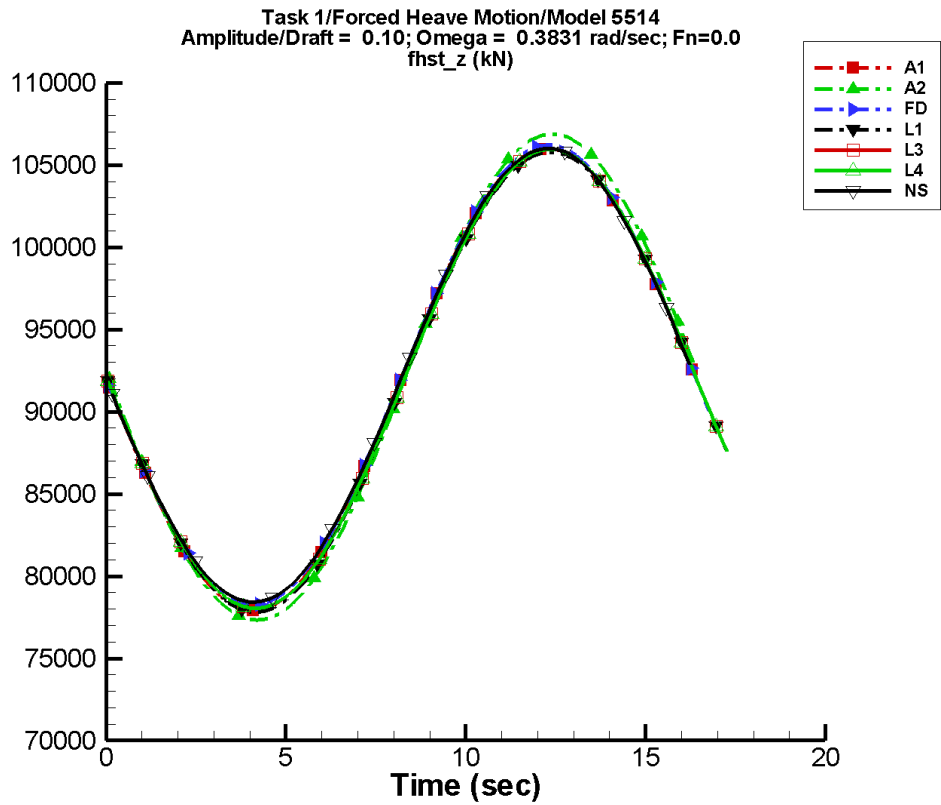
Table B–311. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	7.03E+03	-180	7.46E-03	110
A2	9.20E+04	7.52E+03	178	18.9	-99
FD	9.20E+04	7.00E+03	180	27.0	-90
L1	9.18E+04	7.00E+03	179	1.80E-02	-160
L3	9.18E+04	7.00E+03	179	27.0	-93
L4	9.18E+04	7.00E+03	179	27.0	-93
NF	—	—	—	—	—
NS	9.20E+04	6.92E+03	180	32.9	-90

Table B–312. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	8.49E+04	9.90E+04	8.49E+04	9.90E+04
A2	8.45E+04	9.95E+04	8.45E+04	9.95E+04
FD	8.51E+04	9.91E+04	8.51E+04	9.90E+04
L1	8.48E+04	9.88E+04	8.48E+04	9.88E+04
L3	8.48E+04	9.88E+04	8.48E+04	9.88E+04
L4	8.48E+04	9.88E+04	8.48E+04	9.88E+04
NF	—	—	—	—
NS	8.51E+04	9.89E+04	8.52E+04	9.89E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-157. Time history of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

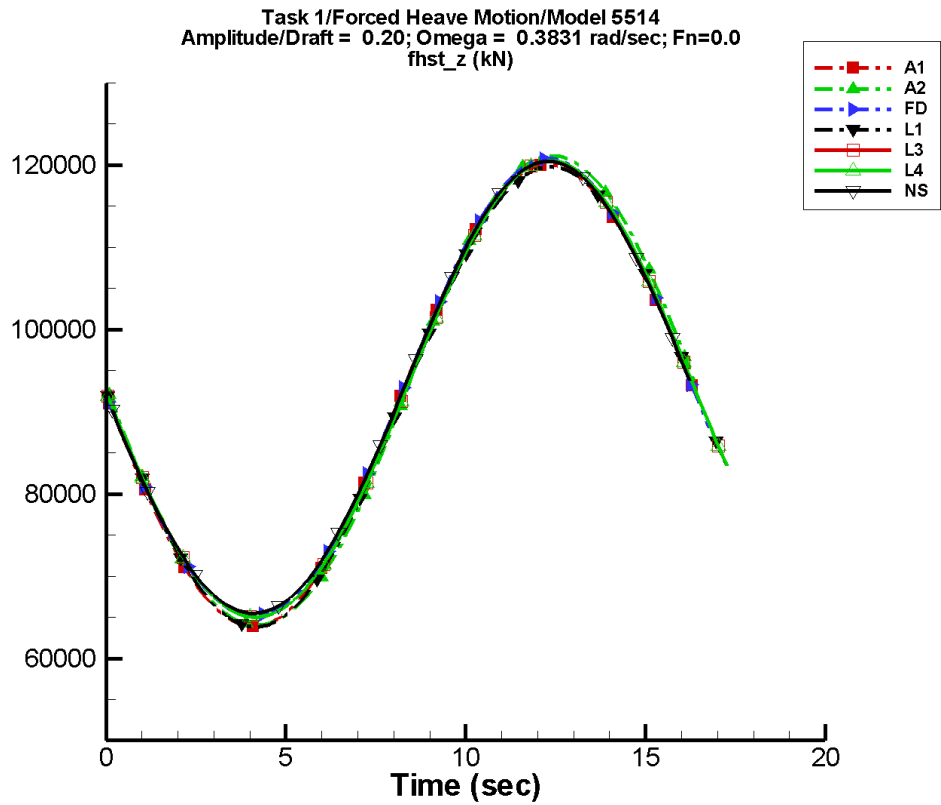
Table B–313. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	1.40E+04	-180	2.51E-03	31
A2	9.20E+04	1.48E+04	178	80.5	-98
FD	9.21E+04	1.40E+04	-180	112.	-90
L1	9.18E+04	1.40E+04	179	1.77E-02	163
L3	9.19E+04	1.40E+04	179	111.	-93
L4	9.19E+04	1.40E+04	179	111.	-93
NF	—	—	—	—	—
NS	9.21E+04	1.38E+04	180	124.	-90

Table B–314. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	7.79E+04	1.06E+05	7.79E+04	1.06E+05
A2	7.73E+04	1.07E+05	7.73E+04	1.07E+05
FD	7.83E+04	1.06E+05	7.83E+04	1.06E+05
L1	7.78E+04	1.06E+05	7.78E+04	1.06E+05
L3	7.80E+04	1.06E+05	7.81E+04	1.06E+05
L4	7.80E+04	1.06E+05	7.81E+04	1.06E+05
NF	—	—	—	—
NS	7.84E+04	1.06E+05	7.86E+04	1.06E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-158. Time history of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

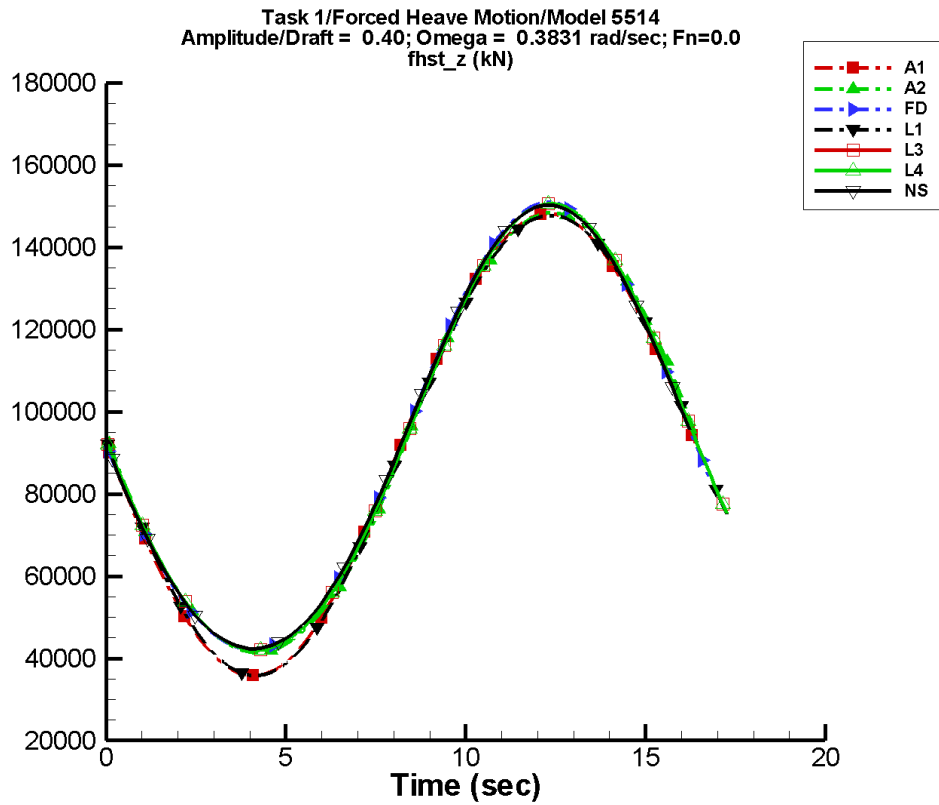
Table B–315. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	2.81E+04	-180	1.33E-02	23
A2	9.23E+04	2.89E+04	178	360.	-99
FD	9.25E+04	2.79E+04	-180	491.	-90
L1	9.18E+04	2.80E+04	179	1.85E-02	-170
L3	9.23E+04	2.78E+04	179	491.	-93
L4	9.23E+04	2.78E+04	179	491.	-93
NF	—	—	—	—	—
NS	9.25E+04	2.75E+04	180	488.	-90

Table B–316. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	6.39E+04	1.20E+05	6.38E+04	1.20E+05
A2	6.41E+04	1.21E+05	6.40E+04	1.21E+05
FD	6.52E+04	1.21E+05	6.53E+04	1.21E+05
L1	6.38E+04	1.20E+05	6.39E+04	1.20E+05
L3	6.50E+04	1.21E+05	6.50E+04	1.20E+05
L4	6.50E+04	1.21E+05	6.50E+04	1.20E+05
NF	—	—	—	—
NS	6.55E+04	1.20E+05	6.57E+04	1.20E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-159. Time history of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $Fn = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

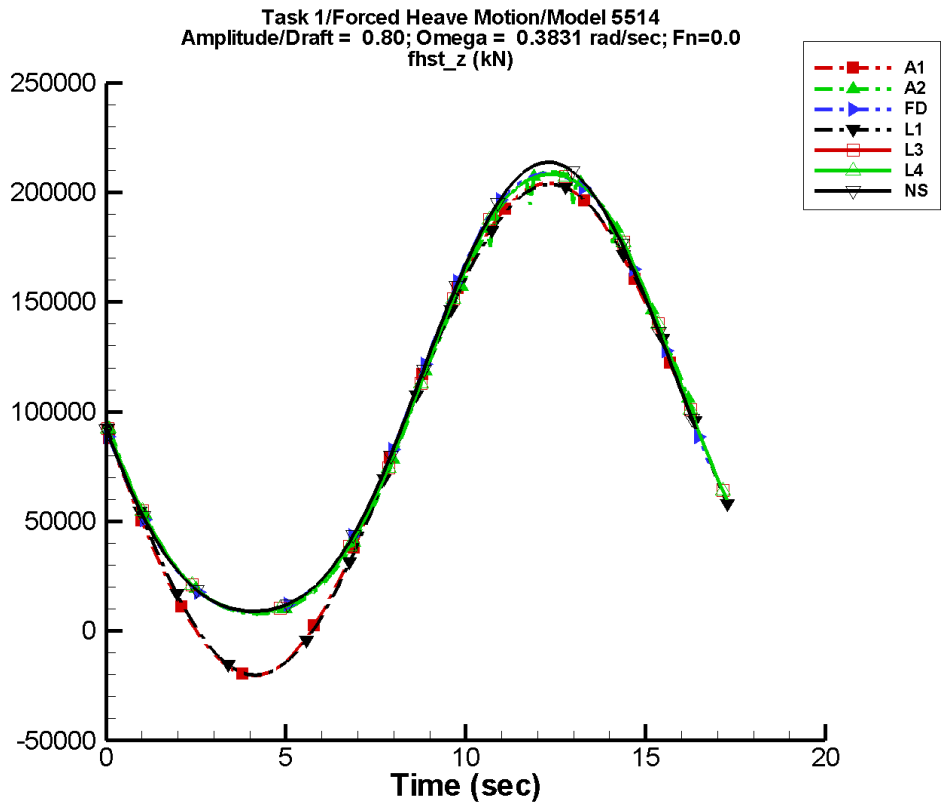
Table B–317. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	5.62E+04	-180	3.63E-03	148
A2	9.33E+04	5.43E+04	178	1.66E+03	-98
FD	9.42E+04	5.48E+04	-180	2.30E+03	-89
L1	9.18E+04	5.60E+04	179	3.23E-02	-122
L3	9.39E+04	5.47E+04	179	2.29E+03	-94
L4	9.39E+04	5.47E+04	179	2.29E+03	-94
NF	—	—	—	—	—
NS	9.41E+04	5.43E+04	180	2.18E+03	-90

Table B–318. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	3.58E+04	1.48E+05	3.56E+04	1.48E+05
A2	4.14E+04	1.48E+05	4.14E+04	1.48E+05
FD	4.21E+04	1.51E+05	4.23E+04	1.51E+05
L1	3.58E+04	1.48E+05	3.59E+04	1.48E+05
L3	4.20E+04	1.51E+05	4.20E+04	1.50E+05
L4	4.20E+04	1.51E+05	4.20E+04	1.50E+05
NF	—	—	—	—
NS	4.23E+04	1.50E+05	4.28E+04	1.50E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-160. Time history of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

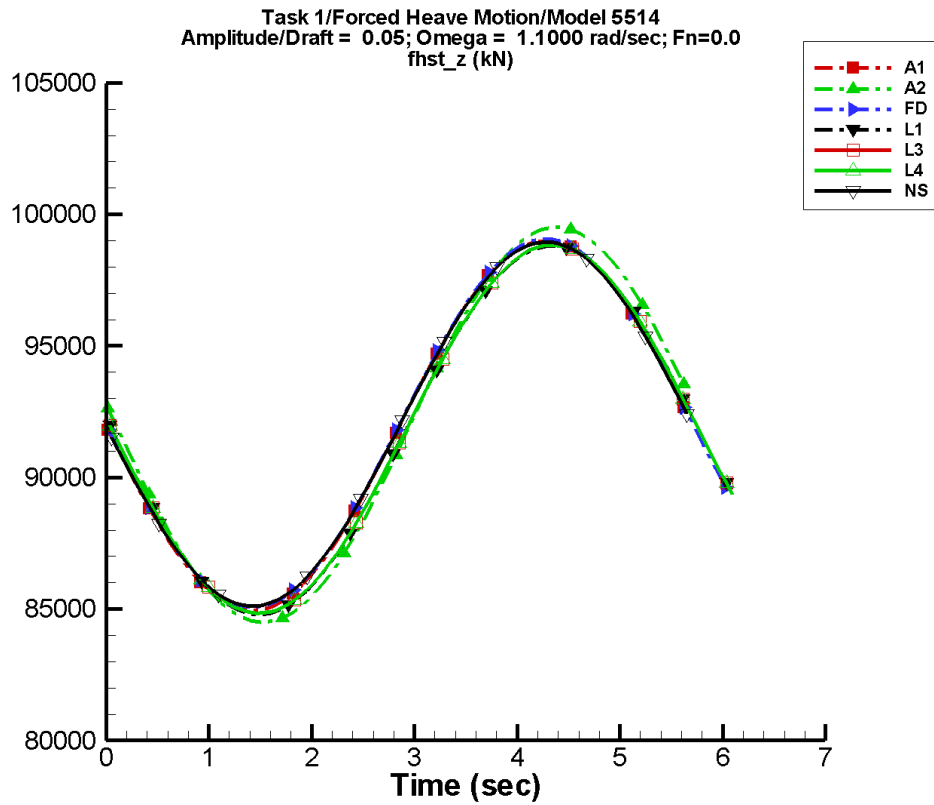
Table B–319. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	1.12E+05	-180	8.91E-03	145
A2	9.97E+04	1.03E+05	178	8.81E+03	-96
FD	1.01E+05	1.03E+05	-180	8.78E+03	-89
L1	9.18E+04	1.12E+05	179	3.60E-02	-77
L3	1.00E+05	1.03E+05	179	8.80E+03	-94
L4	1.00E+05	1.03E+05	179	8.80E+03	-94
NF	—	—	—	—	—
NS	1.01E+05	1.04E+05	180	9.75E+03	-90

Table B–320. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-2.04E+04	2.04E+05	-2.07E+04	2.04E+05
A2	7.81E+03	2.09E+05	7.59E+03	2.09E+05
FD	8.79E+03	2.09E+05	8.95E+03	2.08E+05
L1	-2.01E+04	2.04E+05	-2.00E+04	2.04E+05
L3	8.72E+03	2.08E+05	8.78E+03	2.08E+05
L4	8.72E+03	2.08E+05	8.78E+03	2.08E+05
NF	—	—	—	—
NS	8.99E+03	2.14E+05	9.21E+03	2.13E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-161. Time history of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

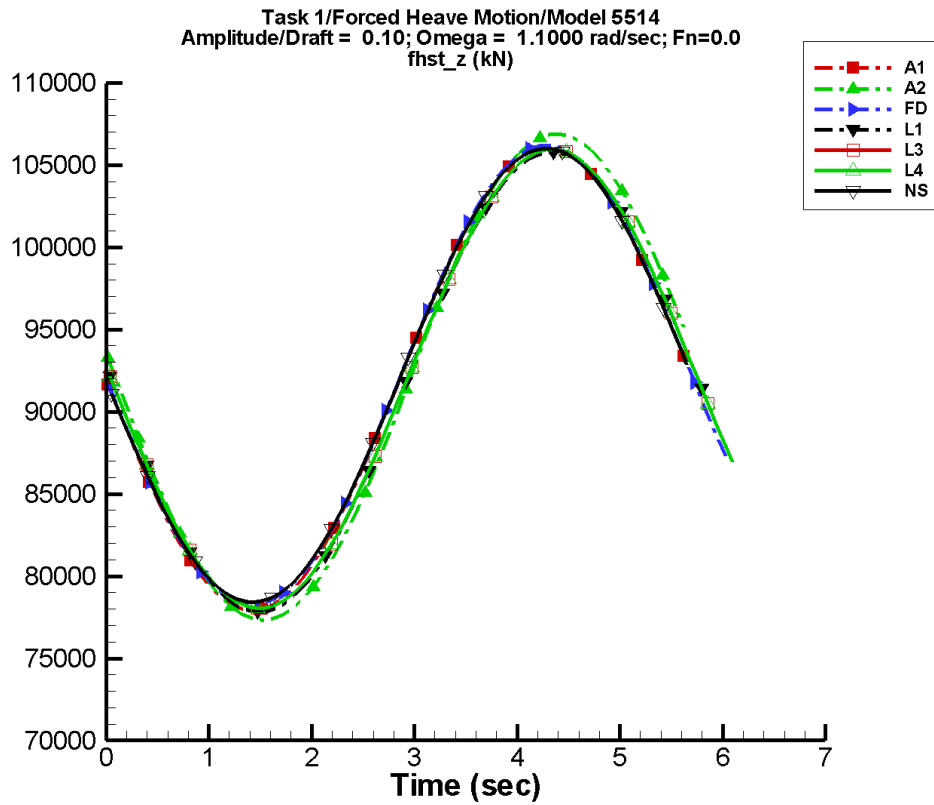
Table B–321. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	7.03E+03	180	1.36E-02	-178
A2	9.20E+04	7.52E+03	174	18.0	-108
FD	9.20E+04	7.00E+03	180	27.0	-90
L1	9.18E+04	7.00E+03	176	1.02E-02	-32
L3	9.18E+04	7.00E+03	176	27.0	-98
L4	9.18E+04	7.00E+03	176	27.0	-98
NF	—	—	—	—	—
NS	9.20E+04	6.92E+03	180	32.9	-90

Table B–322. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	8.49E+04	9.90E+04	8.51E+04	9.88E+04
A2	8.45E+04	9.95E+04	8.47E+04	9.93E+04
FD	8.51E+04	9.91E+04	8.53E+04	9.88E+04
L1	8.48E+04	9.88E+04	8.49E+04	9.87E+04
L3	8.48E+04	9.88E+04	8.49E+04	9.88E+04
L4	8.48E+04	9.88E+04	8.49E+04	9.88E+04
NF	—	—	—	—
NS	8.51E+04	9.89E+04	8.52E+04	9.89E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-162. Time history of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

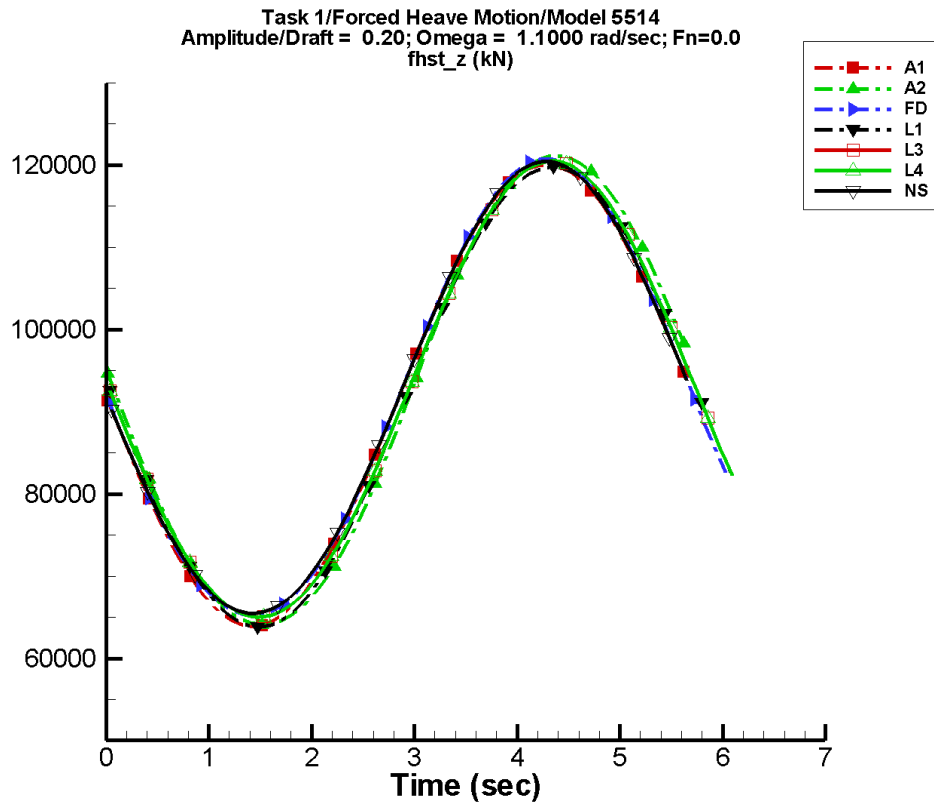
Table B–323. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	1.40E+04	180	2.11E-02	-176
A2	9.20E+04	1.48E+04	174	77.1	-107
FD	9.21E+04	1.40E+04	180	113.	-90
L1	9.18E+04	1.40E+04	176	2.78E-02	-180
L3	9.19E+04	1.40E+04	176	112.	-98
L4	9.19E+04	1.40E+04	176	112.	-98
NF	—	—	—	—	—
NS	9.21E+04	1.38E+04	180	124.	-90

Table B–324. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	7.79E+04	1.06E+05	7.83E+04	1.06E+05
A2	7.73E+04	1.07E+05	7.78E+04	1.06E+05
FD	7.83E+04	1.06E+05	7.87E+04	1.06E+05
L1	7.78E+04	1.06E+05	7.80E+04	1.06E+05
L3	7.81E+04	1.06E+05	7.82E+04	1.06E+05
L4	7.81E+04	1.06E+05	7.82E+04	1.06E+05
NF	—	—	—	—
NS	7.84E+04	1.06E+05	7.86E+04	1.06E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-163. Time history of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

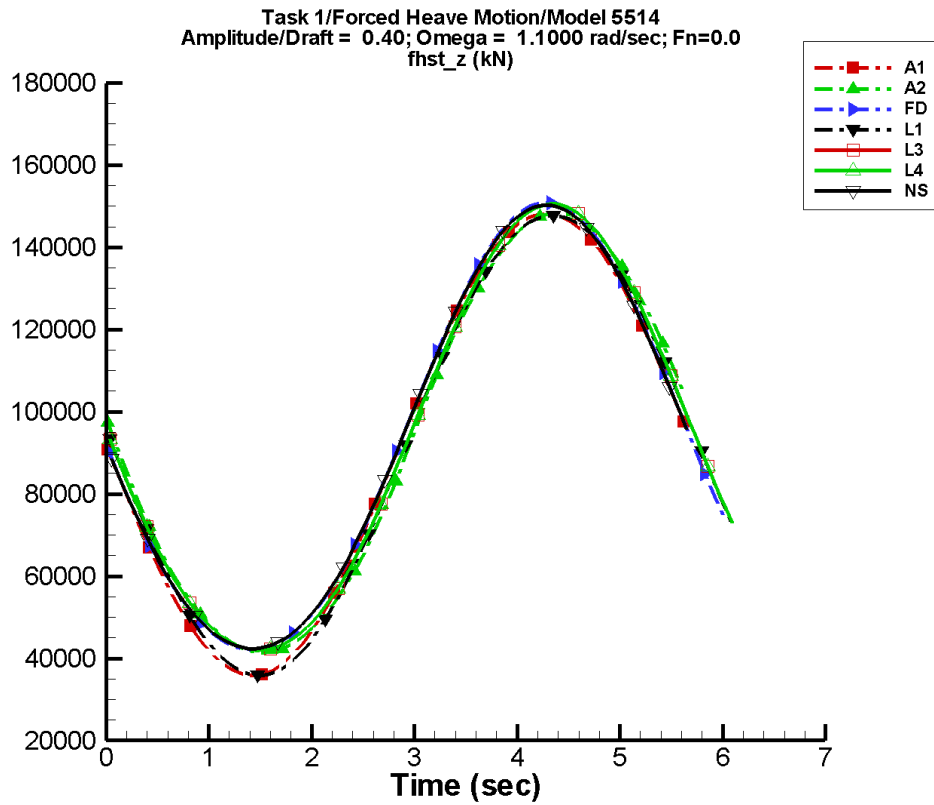
Table B–325. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	2.81E+04	180	5.13E-02	172
A2	9.23E+04	2.89E+04	174	343.	-108
FD	9.25E+04	2.79E+04	-180	498.	-90
L1	9.18E+04	2.80E+04	176	4.39E-02	141
L3	9.23E+04	2.78E+04	176	502.	-98
L4	9.23E+04	2.78E+04	176	502.	-98
NF	—	—	—	—	—
NS	9.25E+04	2.75E+04	180	488.	-90

Table B–326. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	6.39E+04	1.20E+05	6.46E+04	1.19E+05
A2	6.41E+04	1.21E+05	6.49E+04	1.20E+05
FD	6.52E+04	1.21E+05	6.60E+04	1.20E+05
L1	6.38E+04	1.20E+05	6.41E+04	1.19E+05
L3	6.50E+04	1.21E+05	6.53E+04	1.20E+05
L4	6.50E+04	1.21E+05	6.53E+04	1.20E+05
NF	—	—	—	—
NS	6.55E+04	1.20E+05	6.57E+04	1.20E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-164. Time history of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $Fn = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

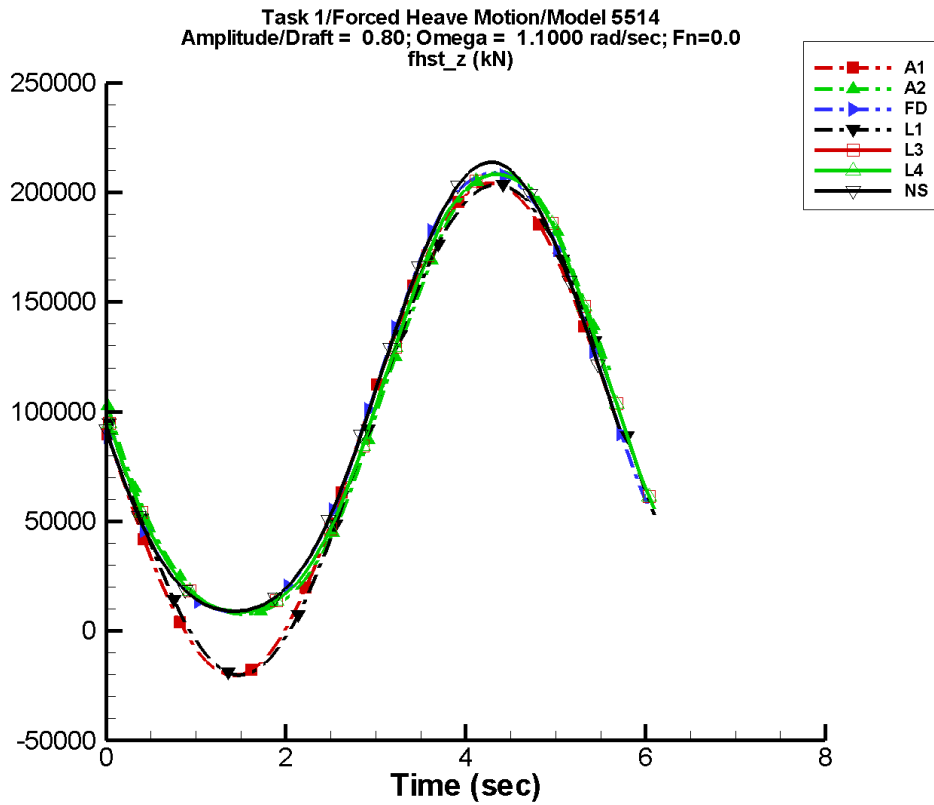
Table B–327. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	5.62E+04	180	0.105	173
A2	9.33E+04	5.44E+04	174	1.61E+03	-106
FD	9.42E+04	5.48E+04	-180	2.35E+03	-90
L1	9.18E+04	5.59E+04	176	3.45E-02	97
L3	9.39E+04	5.47E+04	176	2.37E+03	-98
L4	9.39E+04	5.47E+04	176	2.37E+03	-98
NF	—	—	—	—	—
NS	9.41E+04	5.43E+04	180	2.18E+03	-90

Table B–328. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	3.58E+04	1.48E+05	3.72E+04	1.46E+05
A2	4.14E+04	1.48E+05	4.28E+04	1.47E+05
FD	4.21E+04	1.51E+05	4.35E+04	1.49E+05
L1	3.59E+04	1.48E+05	3.65E+04	1.47E+05
L3	4.20E+04	1.51E+05	4.25E+04	1.50E+05
L4	4.20E+04	1.51E+05	4.25E+04	1.50E+05
NF	—	—	—	—
NS	4.23E+04	1.50E+05	4.28E+04	1.50E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-165. Time history of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

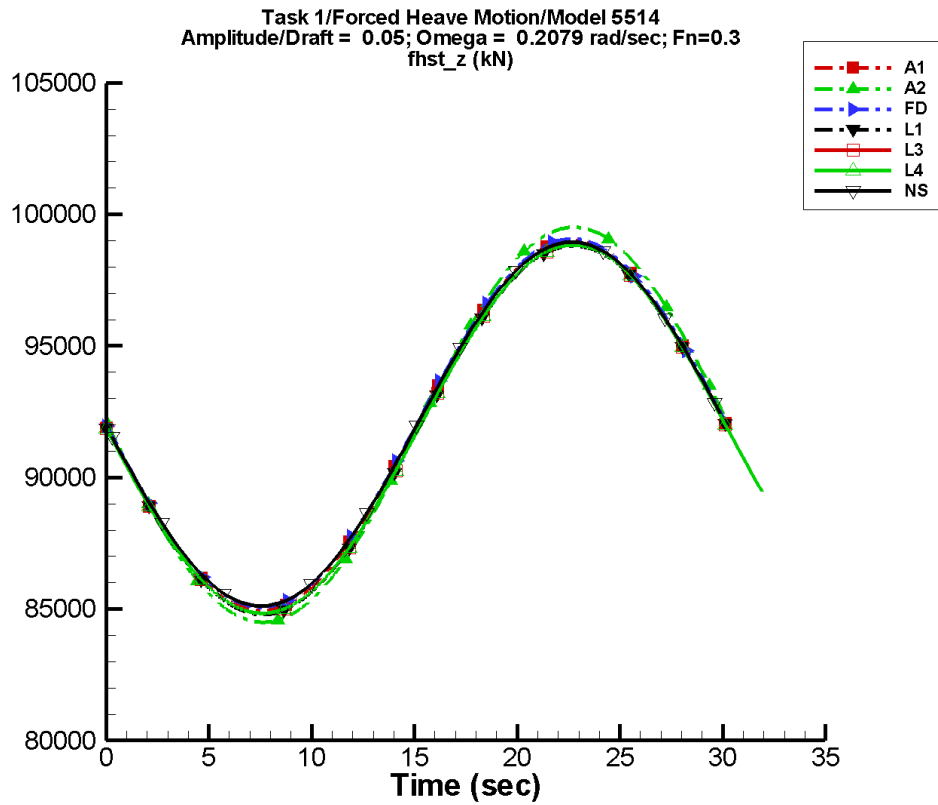
Table B–329. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	1.12E+05	180	0.193	168
A2	1.00E+05	1.04E+05	174	8.99E+03	-104
FD	1.01E+05	1.03E+05	-180	9.29E+03	-90
L1	9.18E+04	1.12E+05	176	2.22E-02	134
L3	1.00E+05	1.03E+05	176	9.34E+03	-98
L4	1.00E+05	1.03E+05	176	9.34E+03	-98
NF	—	—	—	—	—
NS	1.01E+05	1.04E+05	180	9.75E+03	-90

Table B–330. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-2.04E+04	2.04E+05	-1.77E+04	2.01E+05
A2	7.81E+03	2.09E+05	9.39E+03	2.06E+05
FD	8.79E+03	2.09E+05	1.03E+04	2.06E+05
L1	-2.01E+04	2.04E+05	-1.88E+04	2.02E+05
L3	8.73E+03	2.08E+05	9.26E+03	2.07E+05
L4	8.73E+03	2.08E+05	9.26E+03	2.07E+05
NF	—	—	—	—
NS	8.99E+03	2.14E+05	9.21E+03	2.13E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-166. Time history of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

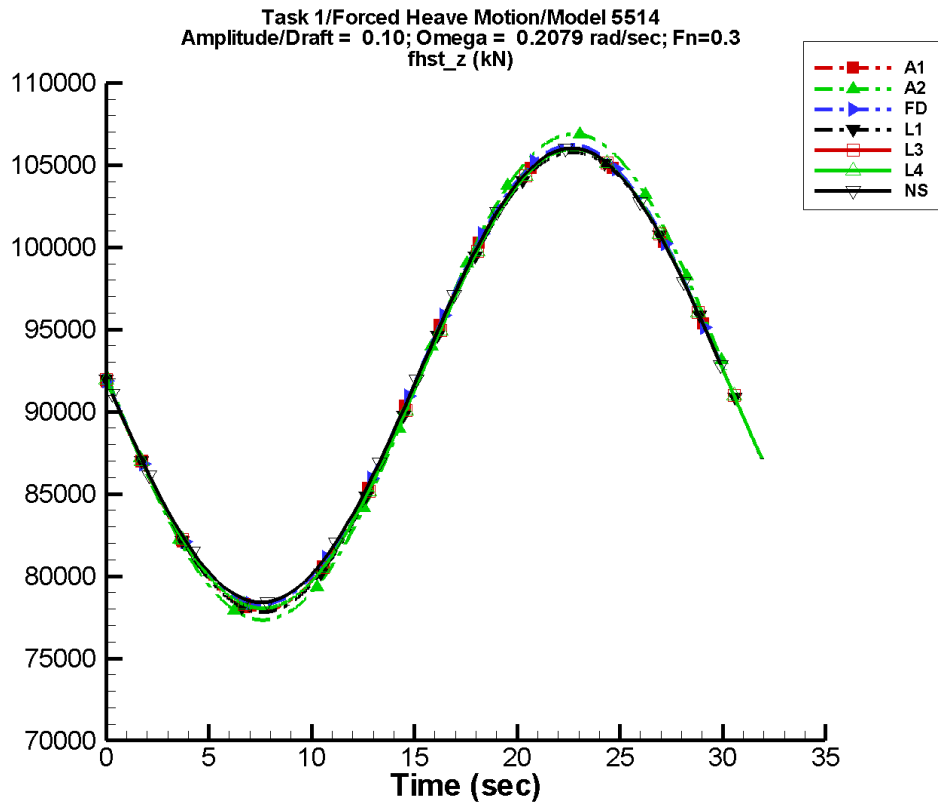
Table B–331. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	7.03E+03	180	1.03E-02	125
A2	9.20E+04	7.52E+03	179	18.8	-97
FD	9.20E+04	7.00E+03	-180	27.0	-90
L1	9.18E+04	7.01E+03	179	1.31E-02	-141
L3	9.18E+04	7.00E+03	179	27.0	-91
L4	9.18E+04	7.00E+03	179	27.0	-91
NF	—	—	—	—	—
NS	9.20E+04	6.92E+03	-180	32.9	-90

Table B–332. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	8.49E+04	9.90E+04	8.49E+04	9.90E+04
A2	8.45E+04	9.95E+04	8.45E+04	9.95E+04
FD	8.51E+04	9.91E+04	8.51E+04	9.91E+04
L1	8.48E+04	9.88E+04	8.48E+04	9.88E+04
L3	8.48E+04	9.88E+04	8.48E+04	9.88E+04
L4	8.48E+04	9.88E+04	8.48E+04	9.88E+04
NF	—	—	—	—
NS	8.51E+04	9.89E+04	8.52E+04	9.89E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-167. Time history of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

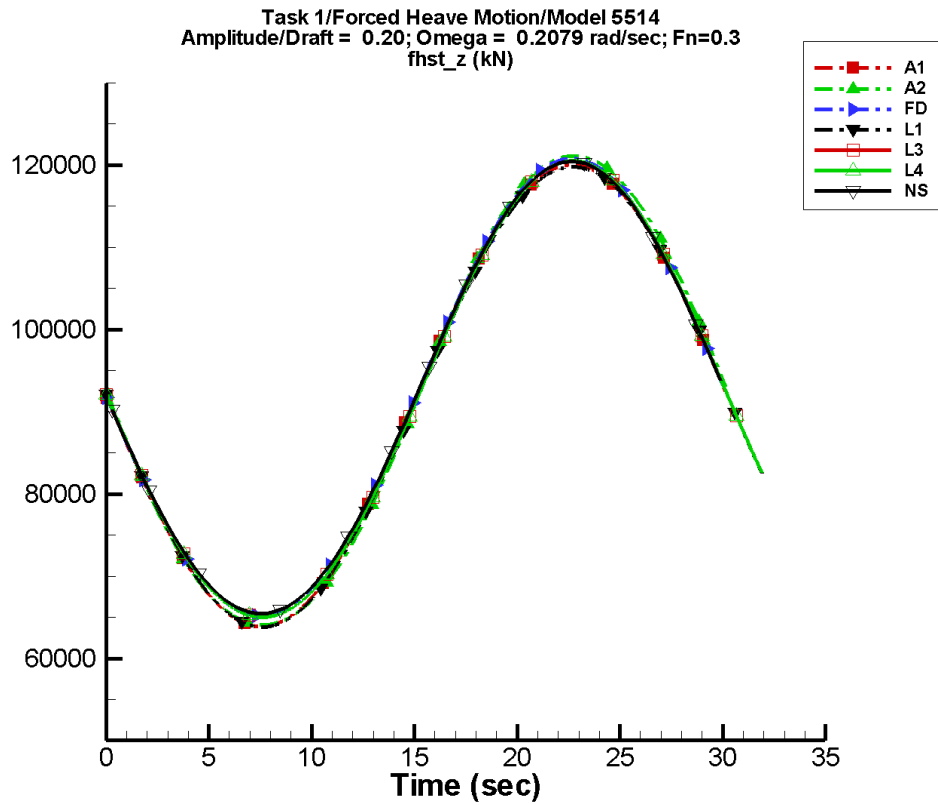
Table B–333. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	1.40E+04	180	2.44E-02	149
A2	9.20E+04	1.48E+04	179	80.1	-96
FD	9.21E+04	1.40E+04	-180	112.	-90
L1	9.18E+04	1.40E+04	179	1.57E-02	-169
L3	9.19E+04	1.40E+04	179	112.	-92
L4	9.19E+04	1.40E+04	179	112.	-92
NF	—	—	—	—	—
NS	9.21E+04	1.38E+04	180	124.	-90

Table B–334. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	7.79E+04	1.06E+05	7.79E+04	1.06E+05
A2	7.73E+04	1.07E+05	7.74E+04	1.07E+05
FD	7.83E+04	1.06E+05	7.83E+04	1.06E+05
L1	7.78E+04	1.06E+05	7.78E+04	1.06E+05
L3	7.80E+04	1.06E+05	7.81E+04	1.06E+05
L4	7.80E+04	1.06E+05	7.81E+04	1.06E+05
NF	—	—	—	—
NS	7.84E+04	1.06E+05	7.85E+04	1.06E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-168. Time history of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

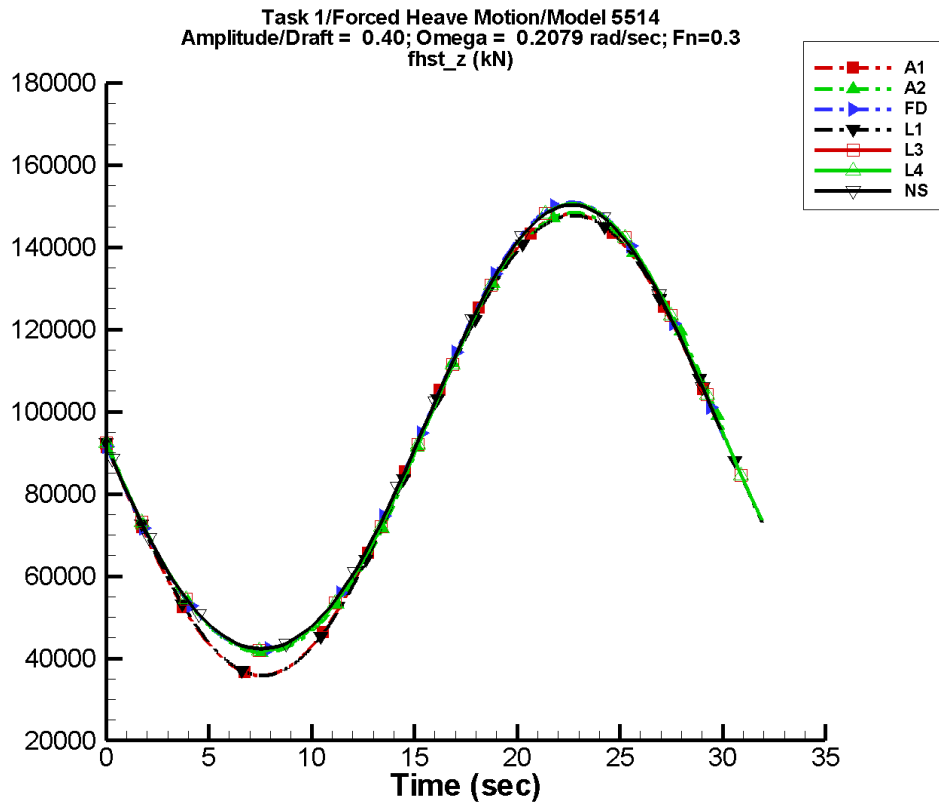
Table B–335. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	2.81E+04	180	2.15E-02	146
A2	9.23E+04	2.89E+04	179	358.	-97
FD	9.25E+04	2.79E+04	-180	494.	-89
L1	9.18E+04	2.80E+04	179	2.84E-02	-147
L3	9.23E+04	2.78E+04	179	502.	-92
L4	9.23E+04	2.78E+04	179	502.	-92
NF	—	—	—	—	—
NS	9.25E+04	2.75E+04	-180	488.	-90

Table B–336. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	6.39E+04	1.20E+05	6.39E+04	1.20E+05
A2	6.41E+04	1.21E+05	6.41E+04	1.21E+05
FD	6.52E+04	1.21E+05	6.52E+04	1.21E+05
L1	6.38E+04	1.20E+05	6.38E+04	1.20E+05
L3	6.50E+04	1.21E+05	6.50E+04	1.21E+05
L4	6.50E+04	1.21E+05	6.50E+04	1.21E+05
NF	—	—	—	—
NS	6.54E+04	1.20E+05	6.57E+04	1.20E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-169. Time history of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

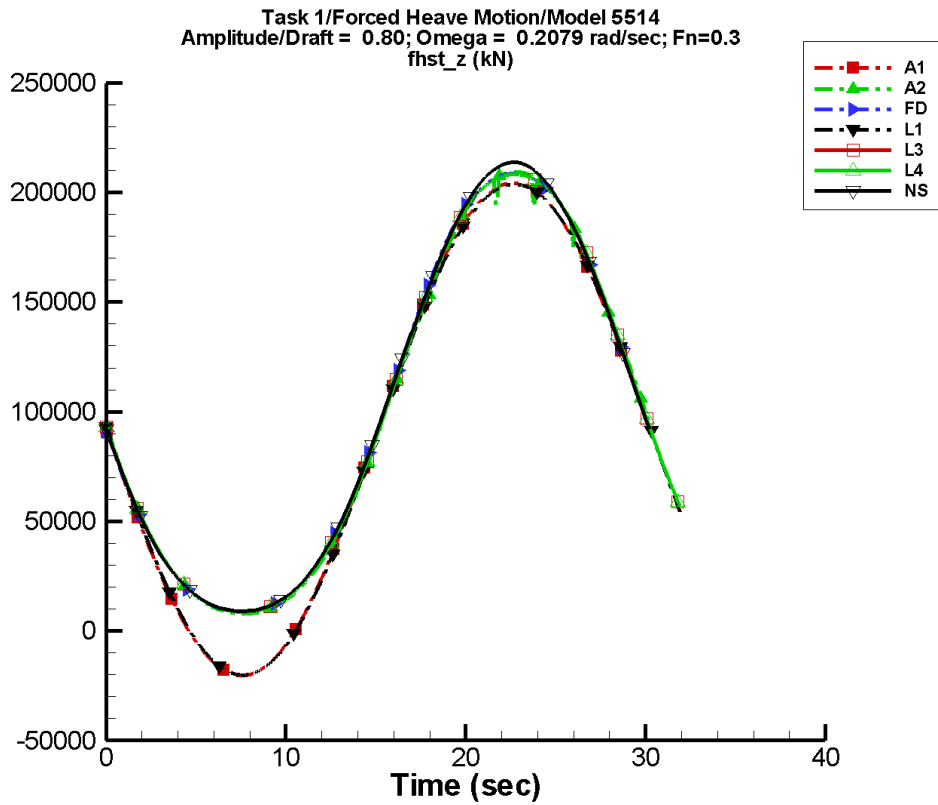
Table B–337. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	5.62E+04	180	5.60E-02	153
A2	9.33E+04	5.44E+04	179	1.66E+03	-96
FD	9.42E+04	5.48E+04	-180	2.32E+03	-89
L1	9.18E+04	5.60E+04	179	5.32E-03	66
L3	9.39E+04	5.47E+04	179	2.36E+03	-92
L4	9.39E+04	5.47E+04	179	2.36E+03	-92
NF	—	—	—	—	—
NS	9.41E+04	5.43E+04	-180	2.19E+03	-90

Table B–338. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	3.58E+04	1.48E+05	3.58E+04	1.48E+05
A2	4.14E+04	1.48E+05	4.15E+04	1.48E+05
FD	4.21E+04	1.51E+05	4.21E+04	1.51E+05
L1	3.58E+04	1.48E+05	3.59E+04	1.48E+05
L3	4.20E+04	1.51E+05	4.20E+04	1.51E+05
L4	4.20E+04	1.51E+05	4.20E+04	1.51E+05
NF	—	—	—	—
NS	4.23E+04	1.50E+05	4.28E+04	1.50E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-170. Time history of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

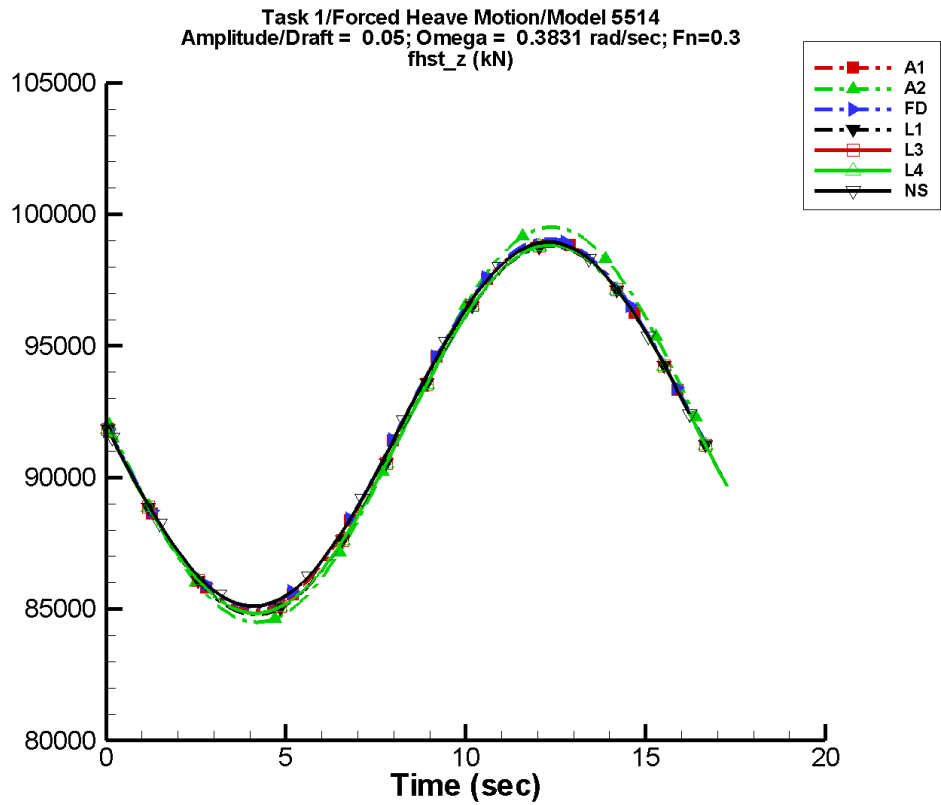
Table B–339. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	1.12E+05	180	0.113	157
A2	9.97E+04	1.03E+05	179	8.83E+03	-93
FD	1.01E+05	1.03E+05	-180	9.02E+03	-88
L1	9.18E+04	1.12E+05	179	1.17E-02	-137
L3	1.00E+05	1.03E+05	179	9.21E+03	-92
L4	1.00E+05	1.03E+05	179	9.21E+03	-92
NF	—	—	—	—	—
NS	1.01E+05	1.04E+05	180	9.75E+03	-90

Table B–340. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-2.04E+04	2.04E+05	-2.04E+04	2.04E+05
A2	7.81E+03	2.09E+05	7.77E+03	2.10E+05
FD	8.79E+03	2.09E+05	8.84E+03	2.09E+05
L1	-2.01E+04	2.04E+05	-2.01E+04	2.04E+05
L3	8.71E+03	2.08E+05	8.73E+03	2.08E+05
L4	8.71E+03	2.08E+05	8.73E+03	2.08E+05
NF	—	—	—	—
NS	8.99E+03	2.14E+05	9.21E+03	2.13E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-171. Time history of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

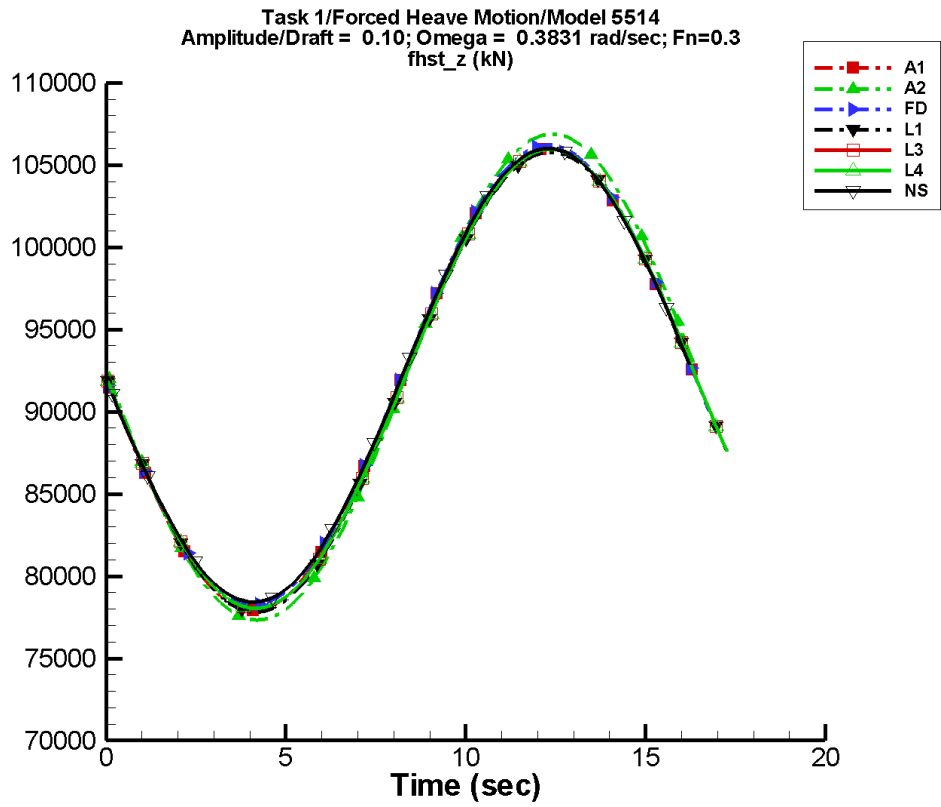
Table B–341. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	7.03E+03	-180	7.46E-03	110
A2	9.20E+04	7.52E+03	178	18.9	-99
FD	9.20E+04	7.00E+03	180	27.0	-90
L1	9.18E+04	7.00E+03	179	1.80E-02	-160
L3	9.18E+04	7.00E+03	179	27.0	-93
L4	9.18E+04	7.00E+03	179	27.0	-93
NF	—	—	—	—	—
NS	9.20E+04	6.92E+03	180	32.9	-90

Table B–342. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	8.49E+04	9.90E+04	8.49E+04	9.90E+04
A2	8.45E+04	9.95E+04	8.45E+04	9.95E+04
FD	8.51E+04	9.91E+04	8.51E+04	9.90E+04
L1	8.48E+04	9.88E+04	8.48E+04	9.88E+04
L3	8.48E+04	9.88E+04	8.48E+04	9.88E+04
L4	8.48E+04	9.88E+04	8.48E+04	9.88E+04
NF	—	—	—	—
NS	8.51E+04	9.89E+04	8.52E+04	9.89E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-172. Time history of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

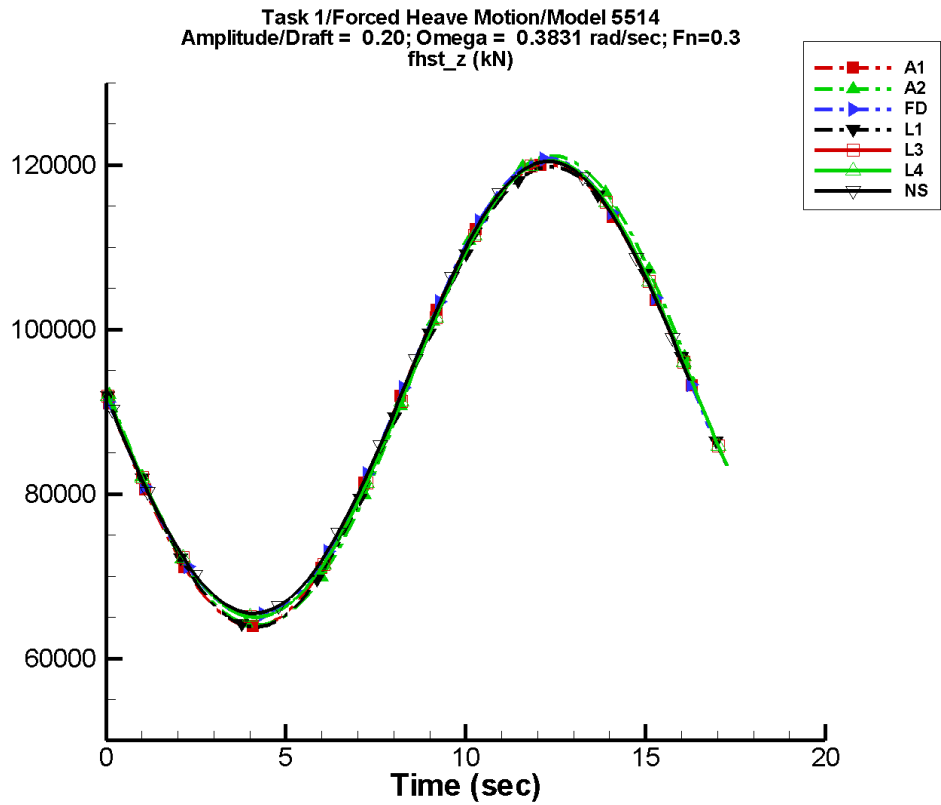
Table B–343. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	1.40E+04	-180	2.51E-03	31
A2	9.20E+04	1.48E+04	178	80.5	-98
FD	9.21E+04	1.40E+04	-180	112.	-90
L1	9.18E+04	1.40E+04	179	1.77E-02	163
L3	9.19E+04	1.40E+04	179	111.	-93
L4	9.19E+04	1.40E+04	179	111.	-93
NF	—	—	—	—	—
NS	9.21E+04	1.38E+04	180	124.	-90

Table B–344. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	7.79E+04	1.06E+05	7.79E+04	1.06E+05
A2	7.73E+04	1.07E+05	7.73E+04	1.07E+05
FD	7.83E+04	1.06E+05	7.83E+04	1.06E+05
L1	7.78E+04	1.06E+05	7.78E+04	1.06E+05
L3	7.80E+04	1.06E+05	7.81E+04	1.06E+05
L4	7.80E+04	1.06E+05	7.81E+04	1.06E+05
NF	—	—	—	—
NS	7.84E+04	1.06E+05	7.86E+04	1.06E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-173. Time history of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

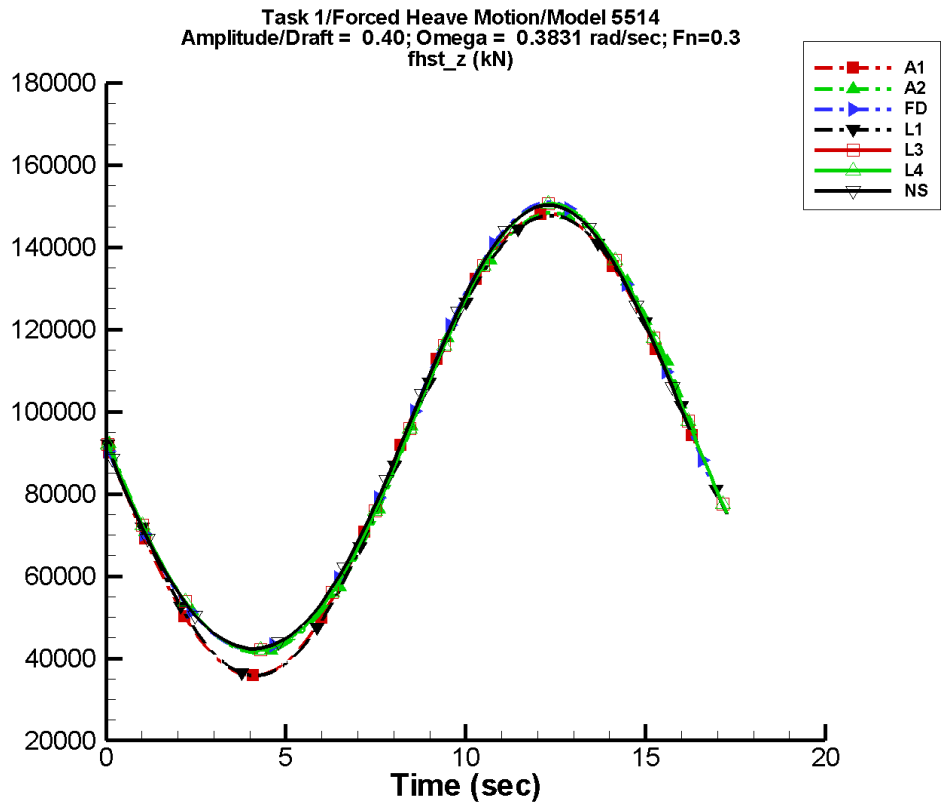
Table B–345. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	2.81E+04	-180	1.33E-02	23
A2	9.23E+04	2.89E+04	178	360.	-99
FD	9.25E+04	2.79E+04	-180	491.	-90
L1	9.18E+04	2.80E+04	179	1.85E-02	-170
L3	9.23E+04	2.78E+04	179	491.	-93
L4	9.23E+04	2.78E+04	179	491.	-93
NF	—	—	—	—	—
NS	9.25E+04	2.75E+04	180	488.	-90

Table B–346. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	6.39E+04	1.20E+05	6.38E+04	1.20E+05
A2	6.41E+04	1.21E+05	6.40E+04	1.21E+05
FD	6.52E+04	1.21E+05	6.53E+04	1.21E+05
L1	6.38E+04	1.20E+05	6.39E+04	1.20E+05
L3	6.50E+04	1.21E+05	6.50E+04	1.20E+05
L4	6.50E+04	1.21E+05	6.50E+04	1.20E+05
NF	—	—	—	—
NS	6.55E+04	1.20E+05	6.57E+04	1.20E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-174. Time history of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

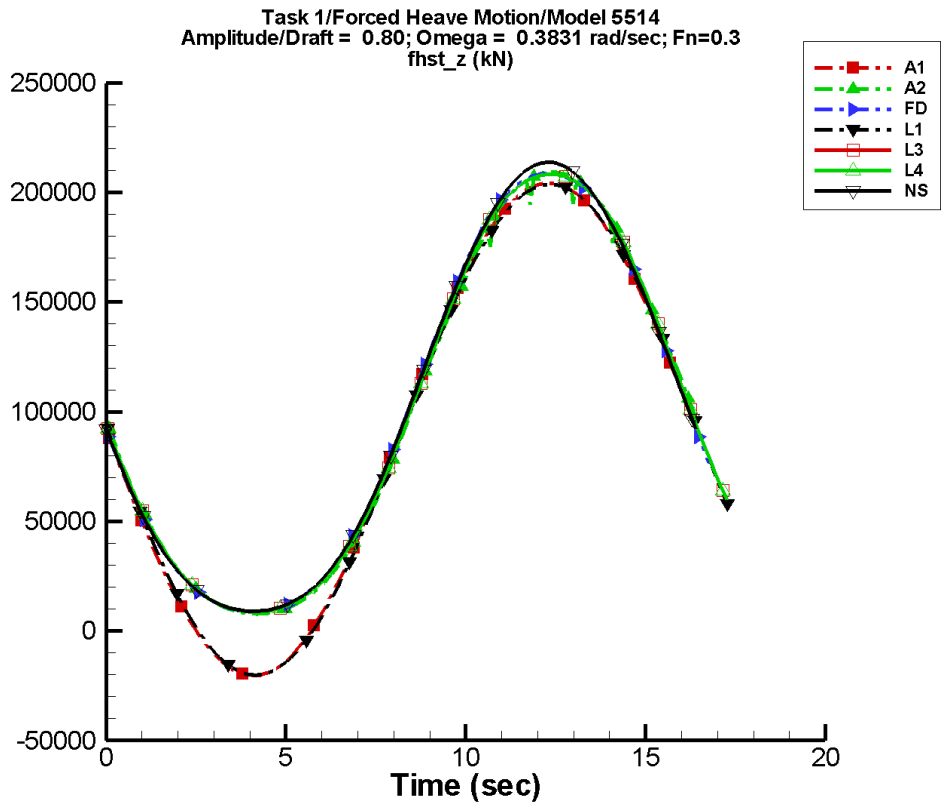
Table B–347. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	5.62E+04	-180	3.63E-03	148
A2	9.33E+04	5.43E+04	178	1.66E+03	-98
FD	9.42E+04	5.48E+04	-180	2.30E+03	-89
L1	9.18E+04	5.60E+04	179	3.23E-02	-122
L3	9.39E+04	5.47E+04	179	2.29E+03	-94
L4	9.39E+04	5.47E+04	179	2.29E+03	-94
NF	—	—	—	—	—
NS	9.41E+04	5.43E+04	180	2.18E+03	-90

Table B–348. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	3.58E+04	1.48E+05	3.56E+04	1.48E+05
A2	4.14E+04	1.48E+05	4.14E+04	1.48E+05
FD	4.21E+04	1.51E+05	4.23E+04	1.51E+05
L1	3.58E+04	1.48E+05	3.59E+04	1.48E+05
L3	4.20E+04	1.51E+05	4.20E+04	1.50E+05
L4	4.20E+04	1.51E+05	4.20E+04	1.50E+05
NF	—	—	—	—
NS	4.23E+04	1.50E+05	4.28E+04	1.50E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-175. Time history of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

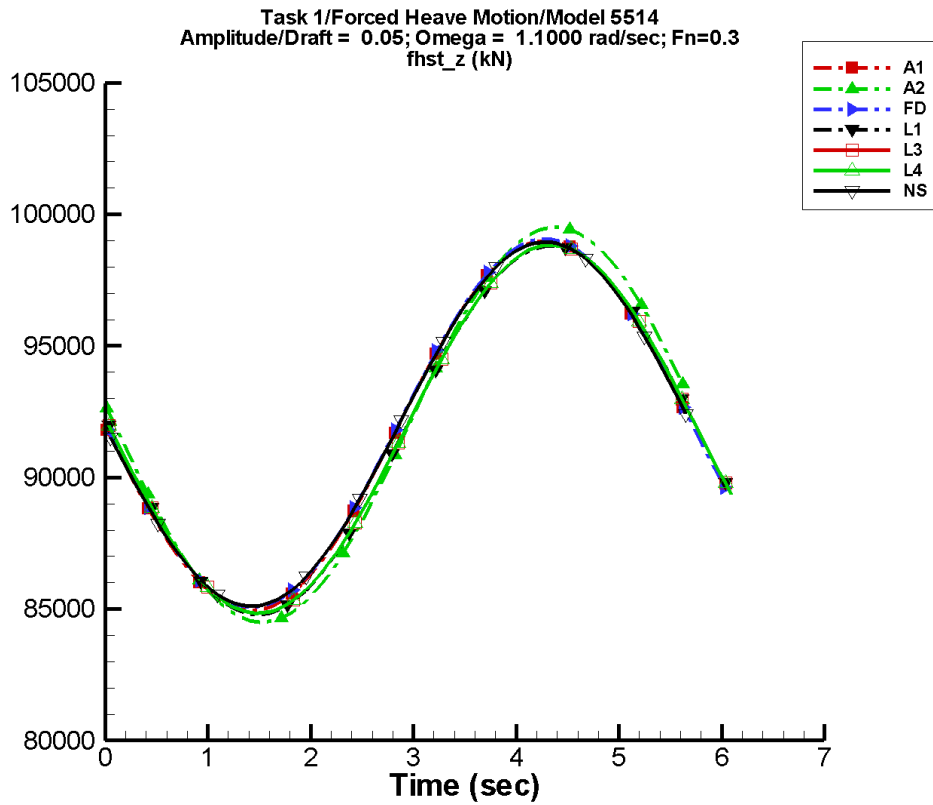
Table B–349. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	1.12E+05	-180	8.91E-03	145
A2	9.97E+04	1.03E+05	178	8.81E+03	-96
FD	1.01E+05	1.03E+05	-180	8.78E+03	-89
L1	9.18E+04	1.12E+05	179	3.60E-02	-77
L3	1.00E+05	1.03E+05	179	8.80E+03	-94
L4	1.00E+05	1.03E+05	179	8.80E+03	-94
NF	—	—	—	—	—
NS	1.01E+05	1.04E+05	180	9.75E+03	-90

Table B–350. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-2.04E+04	2.04E+05	-2.07E+04	2.04E+05
A2	7.81E+03	2.09E+05	7.59E+03	2.09E+05
FD	8.79E+03	2.09E+05	8.95E+03	2.08E+05
L1	-2.01E+04	2.04E+05	-2.00E+04	2.04E+05
L3	8.72E+03	2.08E+05	8.78E+03	2.08E+05
L4	8.72E+03	2.08E+05	8.78E+03	2.08E+05
NF	—	—	—	—
NS	8.99E+03	2.14E+05	9.21E+03	2.13E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-176. Time history of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

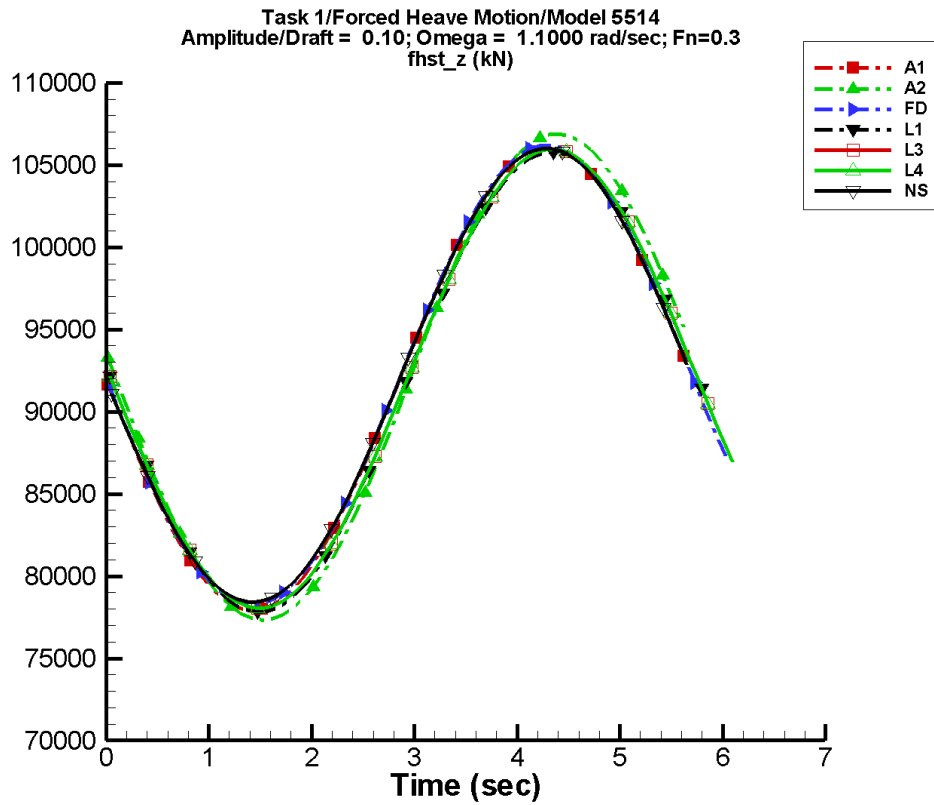
Table B–351. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	7.03E+03	180	1.36E-02	-178
A2	9.20E+04	7.52E+03	174	18.0	-108
FD	9.20E+04	7.00E+03	180	27.0	-90
L1	9.18E+04	7.00E+03	176	1.02E-02	-32
L3	9.18E+04	7.00E+03	176	27.0	-98
L4	9.18E+04	7.00E+03	176	27.0	-98
NF	—	—	—	—	—
NS	9.20E+04	6.92E+03	180	32.9	-90

Table B–352. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	8.49E+04	9.90E+04	8.51E+04	9.88E+04
A2	8.45E+04	9.95E+04	8.47E+04	9.93E+04
FD	8.51E+04	9.91E+04	8.53E+04	9.88E+04
L1	8.48E+04	9.88E+04	8.49E+04	9.87E+04
L3	8.48E+04	9.88E+04	8.49E+04	9.88E+04
L4	8.48E+04	9.88E+04	8.49E+04	9.88E+04
NF	—	—	—	—
NS	8.51E+04	9.89E+04	8.52E+04	9.89E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-177. Time history of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

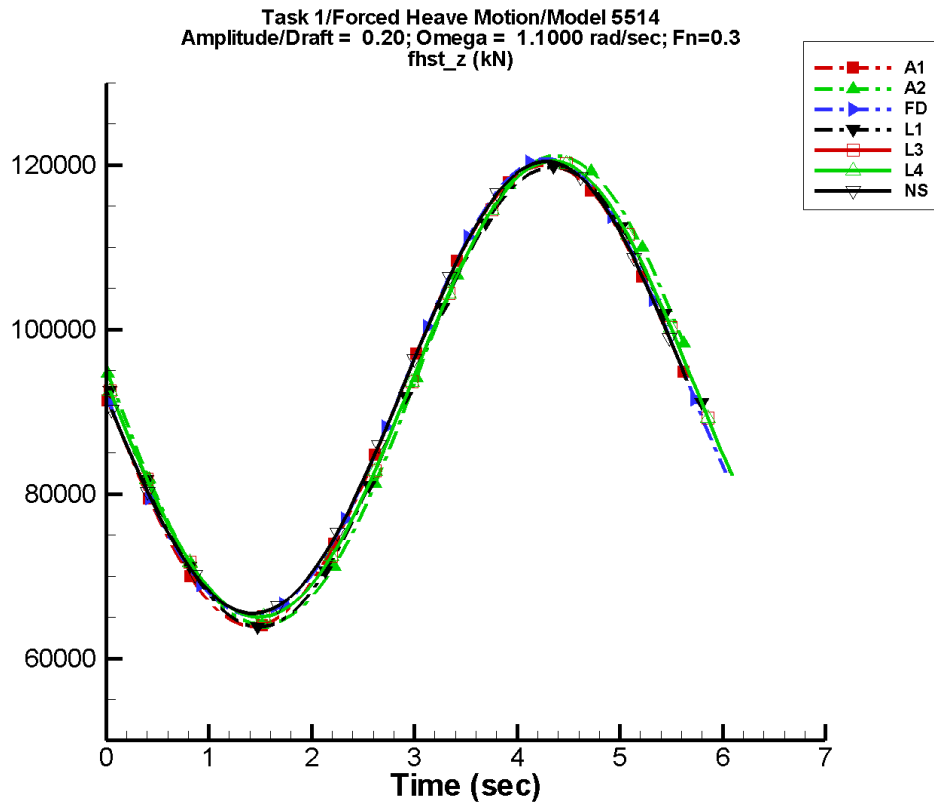
Table B–353. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	1.40E+04	180	2.11E-02	-176
A2	9.20E+04	1.48E+04	174	77.1	-107
FD	9.21E+04	1.40E+04	180	113.	-90
L1	9.18E+04	1.40E+04	176	2.78E-02	-180
L3	9.19E+04	1.40E+04	176	112.	-98
L4	9.19E+04	1.40E+04	176	112.	-98
NF	—	—	—	—	—
NS	9.21E+04	1.38E+04	180	124.	-90

Table B–354. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	7.79E+04	1.06E+05	7.83E+04	1.06E+05
A2	7.73E+04	1.07E+05	7.78E+04	1.06E+05
FD	7.83E+04	1.06E+05	7.87E+04	1.06E+05
L1	7.78E+04	1.06E+05	7.80E+04	1.06E+05
L3	7.81E+04	1.06E+05	7.82E+04	1.06E+05
L4	7.81E+04	1.06E+05	7.82E+04	1.06E+05
NF	—	—	—	—
NS	7.84E+04	1.06E+05	7.86E+04	1.06E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-178. Time history of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

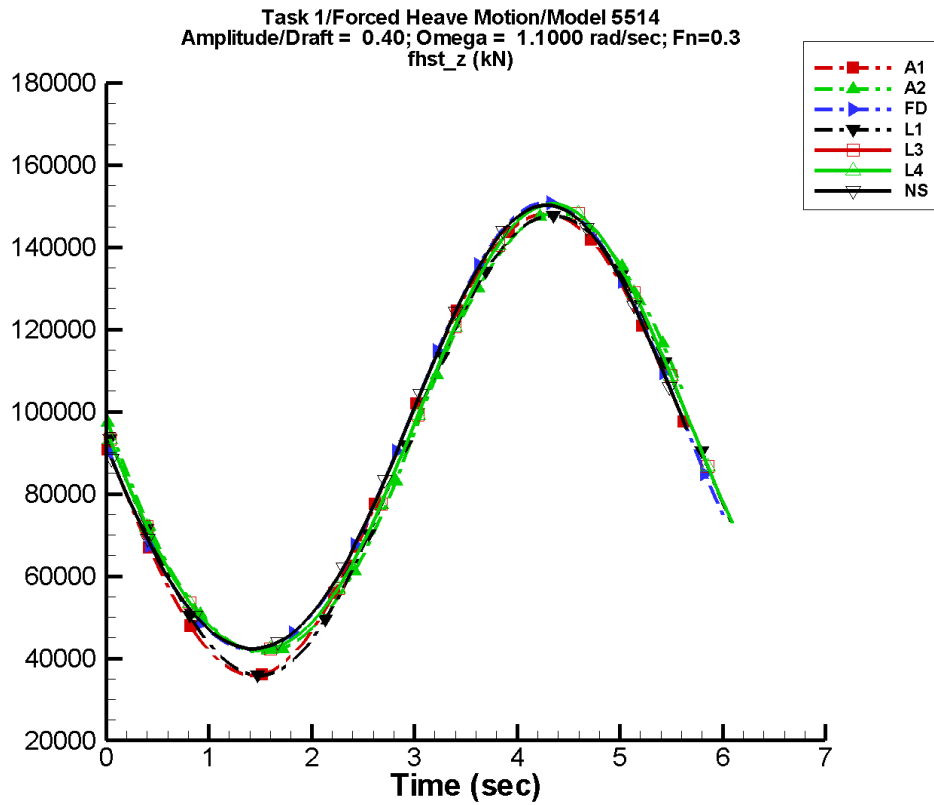
Table B–355. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	2.81E+04	180	5.13E-02	172
A2	9.23E+04	2.89E+04	174	343.	-108
FD	9.25E+04	2.79E+04	-180	498.	-90
L1	9.18E+04	2.80E+04	176	4.39E-02	141
L3	9.23E+04	2.78E+04	176	502.	-98
L4	9.23E+04	2.78E+04	176	502.	-98
NF	—	—	—	—	—
NS	9.25E+04	2.75E+04	180	488.	-90

Table B–356. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	6.39E+04	1.20E+05	6.46E+04	1.19E+05
A2	6.41E+04	1.21E+05	6.49E+04	1.20E+05
FD	6.52E+04	1.21E+05	6.60E+04	1.20E+05
L1	6.38E+04	1.20E+05	6.41E+04	1.19E+05
L3	6.50E+04	1.21E+05	6.53E+04	1.20E+05
L4	6.50E+04	1.21E+05	6.53E+04	1.20E+05
NF	—	—	—	—
NS	6.55E+04	1.20E+05	6.57E+04	1.20E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-179. Time history of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

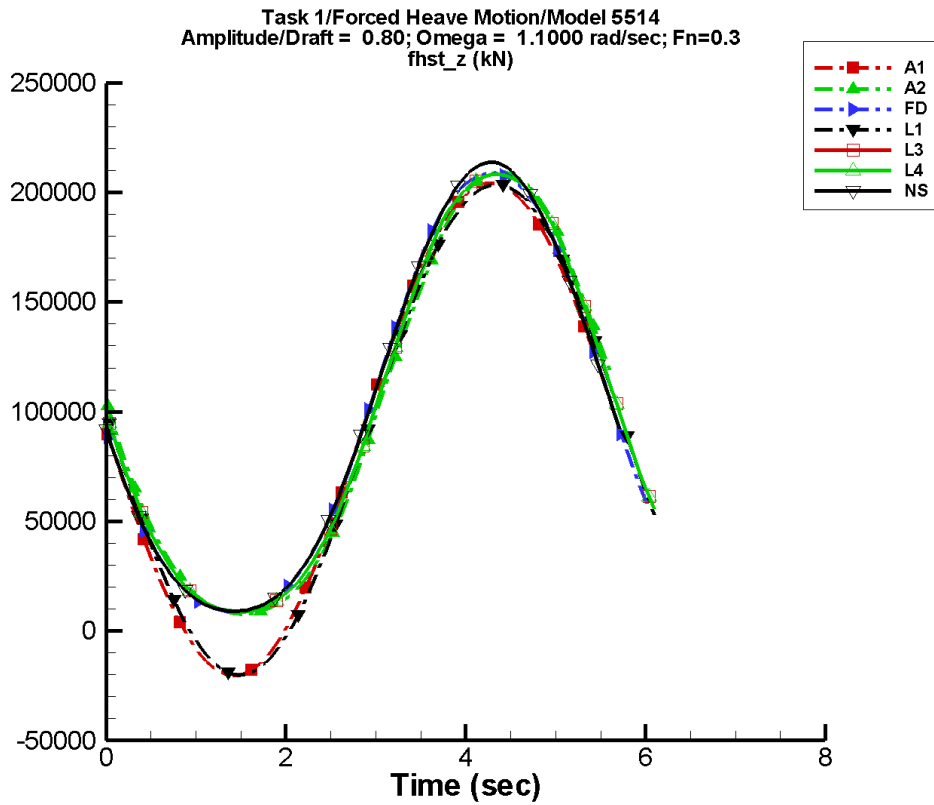
Table B–357. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	5.62E+04	180	0.105	173
A2	9.33E+04	5.44E+04	174	1.61E+03	-106
FD	9.42E+04	5.48E+04	-180	2.35E+03	-90
L1	9.18E+04	5.59E+04	176	3.45E-02	97
L3	9.39E+04	5.47E+04	176	2.37E+03	-98
L4	9.39E+04	5.47E+04	176	2.37E+03	-98
NF	—	—	—	—	—
NS	9.41E+04	5.43E+04	180	2.18E+03	-90

Table B–358. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	3.58E+04	1.48E+05	3.72E+04	1.46E+05
A2	4.14E+04	1.48E+05	4.28E+04	1.47E+05
FD	4.21E+04	1.51E+05	4.35E+04	1.49E+05
L1	3.59E+04	1.48E+05	3.65E+04	1.47E+05
L3	4.20E+04	1.51E+05	4.25E+04	1.50E+05
L4	4.20E+04	1.51E+05	4.25E+04	1.50E+05
NF	—	—	—	—
NS	4.23E+04	1.50E+05	4.28E+04	1.50E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-180. Time history of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

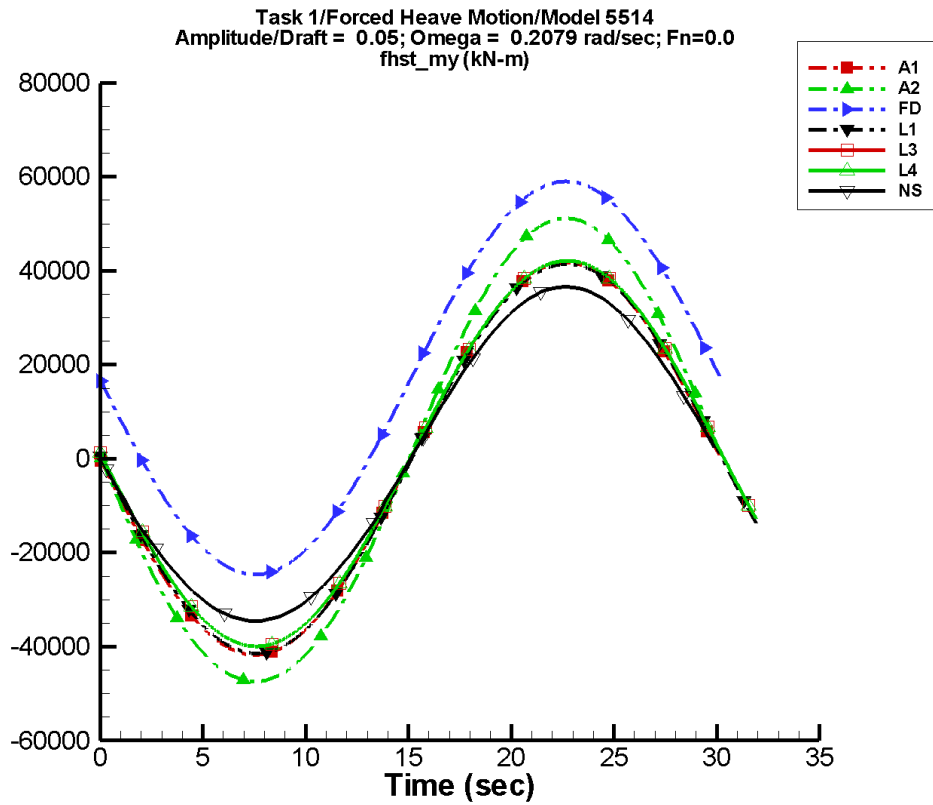
Table B–359. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	9.20E+04	1.12E+05	180	0.193	168
A2	1.00E+05	1.04E+05	174	8.99E+03	-104
FD	1.01E+05	1.03E+05	-180	9.29E+03	-90
L1	9.18E+04	1.12E+05	176	2.22E-02	134
L3	1.00E+05	1.03E+05	176	9.34E+03	-98
L4	1.00E+05	1.03E+05	176	9.34E+03	-98
NF	—	—	—	—	—
NS	1.01E+05	1.04E+05	180	9.75E+03	-90

Table B–360. Minimum and maximum of F_z^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-2.04E+04	2.04E+05	-1.77E+04	2.01E+05
A2	7.81E+03	2.09E+05	9.39E+03	2.06E+05
FD	8.79E+03	2.09E+05	1.03E+04	2.06E+05
L1	-2.01E+04	2.04E+05	-1.88E+04	2.02E+05
L3	8.73E+03	2.08E+05	9.26E+03	2.07E+05
L4	8.73E+03	2.08E+05	9.26E+03	2.07E+05
NF	—	—	—	—
NS	8.99E+03	2.14E+05	9.21E+03	2.13E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-181. Time history of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

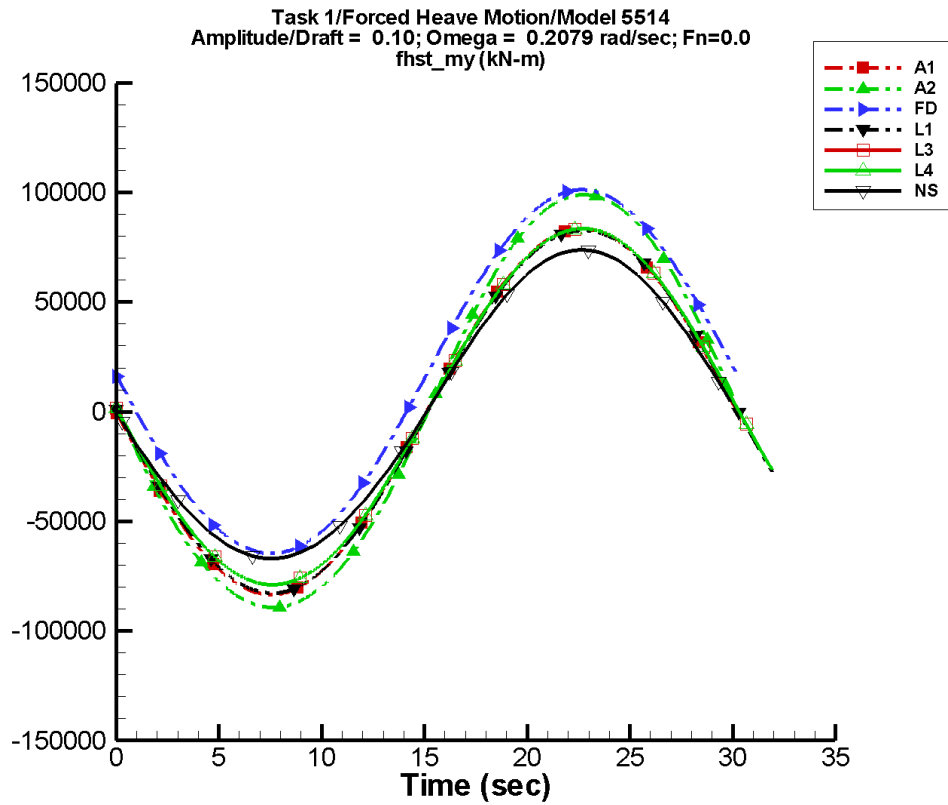
Table B–361. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	3.13E-02	4.18E+04	180	3.80E-02	162
A2	1.25E+03	4.96E+04	-180	646.	-93
FD	1.70E+04	4.18E+04	-180	148.	-89
L1	-0.102	4.14E+04	179	2.10E-03	-36
L3	937.	4.10E+04	179	161.	-91
L4	937.	4.10E+04	179	161.	-91
NF	—	—	—	—	—
NS	434.	3.57E+04	180	570.	-90

Table B–362. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-4.18E+04	4.18E+04	-4.18E+04	4.17E+04
A2	-4.74E+04	5.12E+04	-4.74E+04	5.11E+04
FD	-2.46E+04	5.90E+04	-2.46E+04	5.90E+04
L1	-4.14E+04	4.14E+04	-4.14E+04	4.14E+04
L3	-3.99E+04	4.21E+04	-3.99E+04	4.21E+04
L4	-3.99E+04	4.21E+04	-3.99E+04	4.21E+04
NF	—	—	—	—
NS	-3.46E+04	3.66E+04	-3.42E+04	3.62E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-182. Time history of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

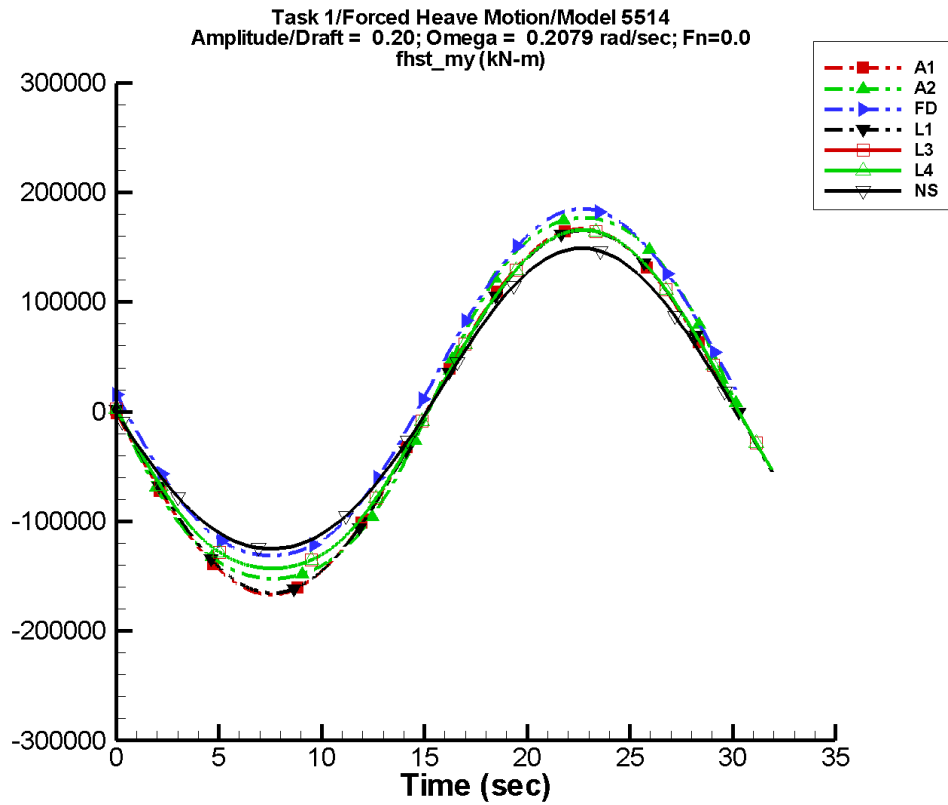
Table B–363. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	7.36E-02	8.34E+04	180	7.34E-02	164
A2	2.83E+03	9.54E+04	179	2.32E+03	-95
FD	1.76E+04	8.32E+04	-180	751.	-88
L1	-0.315	8.27E+04	179	1.83E-02	175
L3	1.49E+03	8.15E+04	179	814.	-92
L4	1.49E+03	8.15E+04	179	814.	-92
NF	—	—	—	—	—
NS	1.79E+03	7.06E+04	180	1.77E+03	-90

Table B–364. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-8.34E+04	8.34E+04	-8.34E+04	8.33E+04
A2	-8.93E+04	9.90E+04	-8.92E+04	9.89E+04
FD	-6.46E+04	1.01E+05	-6.45E+04	1.01E+05
L1	-8.27E+04	8.27E+04	-8.27E+04	8.27E+04
L3	-7.89E+04	8.35E+04	-7.89E+04	8.35E+04
L4	-7.89E+04	8.35E+04	-7.89E+04	8.35E+04
NF	—	—	—	—
NS	-6.69E+04	7.38E+04	-6.63E+04	7.31E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-183. Time history of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

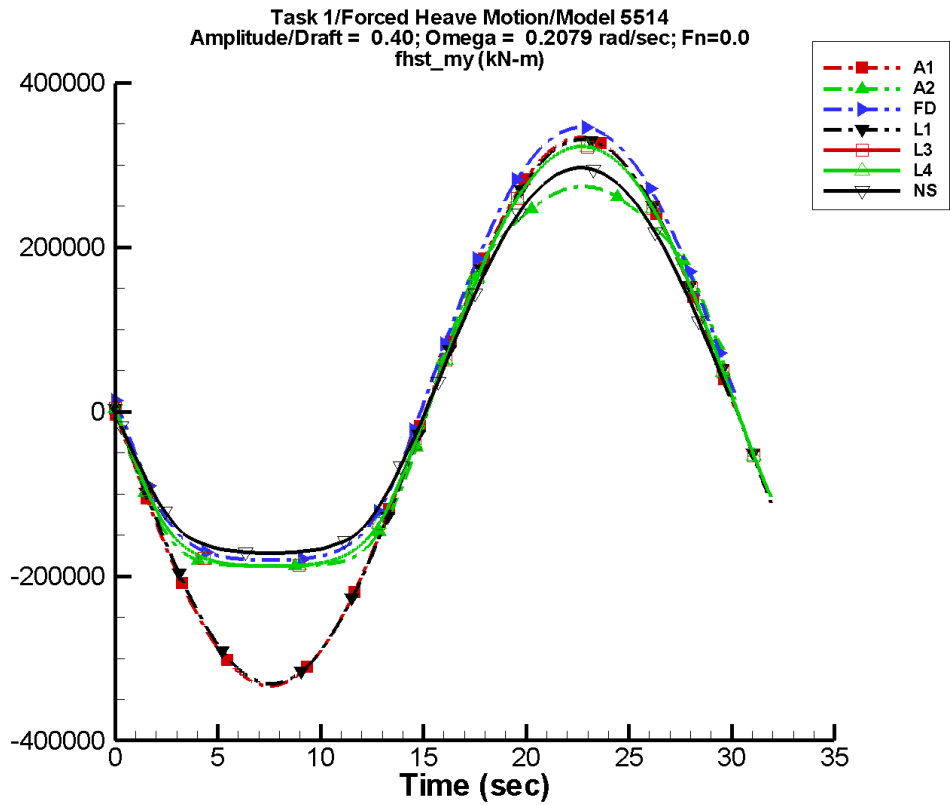
Table B–365. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	0.144	1.67E+05	180	0.146	166
A2	6.99E+03	1.72E+05	179	6.86E+03	-97
FD	2.11E+04	1.61E+05	-180	5.35E+03	-88
L1	-0.602	1.65E+05	179	1.66E-02	160
L3	5.15E+03	1.57E+05	179	5.93E+03	-92
L4	5.15E+03	1.57E+05	179	5.93E+03	-92
NF	—	—	—	—	—
NS	6.18E+03	1.38E+05	-180	5.92E+03	-90

Table B–366. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.67E+05	1.67E+05	-1.67E+05	1.67E+05
A2	-1.52E+05	1.77E+05	-1.52E+05	1.77E+05
FD	-1.31E+05	1.85E+05	-1.31E+05	1.85E+05
L1	-1.65E+05	1.65E+05	-1.65E+05	1.65E+05
L3	-1.43E+05	1.66E+05	-1.43E+05	1.66E+05
L4	-1.43E+05	1.66E+05	-1.43E+05	1.66E+05
NF	—	—	—	—
NS	-1.25E+05	1.49E+05	-1.24E+05	1.48E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-184. Time history of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

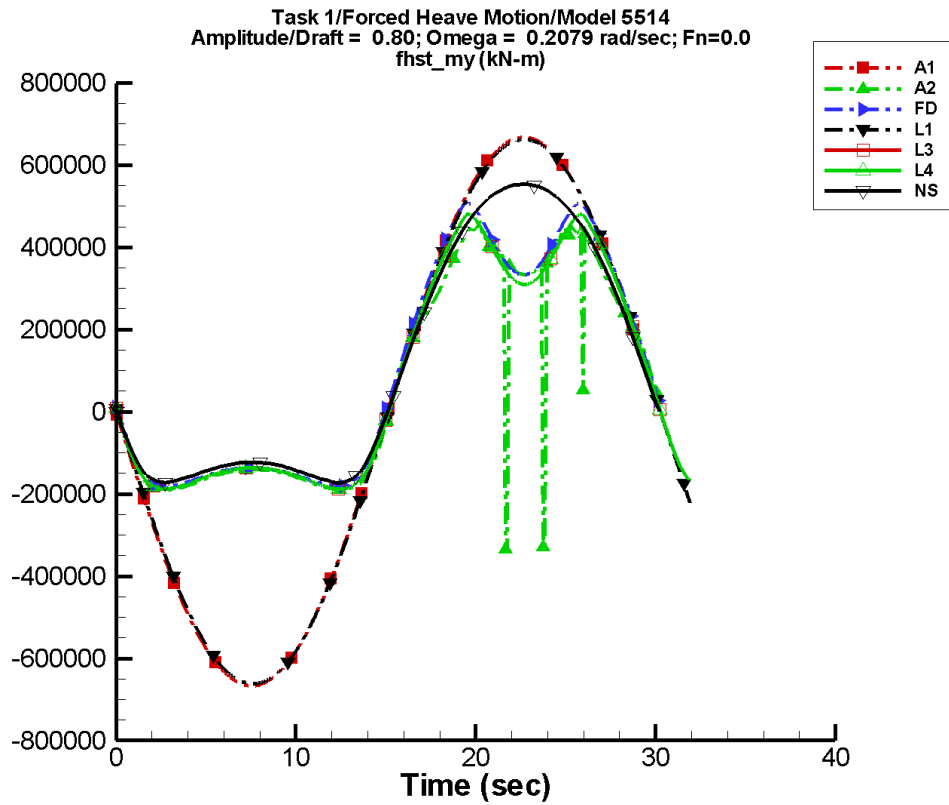
Table B–367. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	0.282	3.34E+05	180	0.304	162
A2	2.03E+04	2.56E+05	180	2.49E+04	-98
FD	4.64E+04	2.79E+05	-180	3.67E+04	-88
L1	-1.26	3.31E+05	179	2.15E-02	-88
L3	3.09E+04	2.71E+05	179	3.87E+04	-92
L4	3.09E+04	2.71E+05	179	3.87E+04	-92
NF	—	—	—	—	—
NS	2.98E+04	2.46E+05	180	3.18E+04	-90

Table B–368. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-3.34E+05	3.34E+05	-3.34E+05	3.33E+05
A2	-1.88E+05	2.74E+05	-1.88E+05	2.74E+05
FD	-1.80E+05	3.46E+05	-1.80E+05	3.46E+05
L1	-3.31E+05	3.31E+05	-3.31E+05	3.31E+05
L3	-1.88E+05	3.23E+05	-1.88E+05	3.23E+05
L4	-1.88E+05	3.23E+05	-1.88E+05	3.23E+05
NF	—	—	—	—
NS	-1.72E+05	2.97E+05	-1.72E+05	2.94E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-185. Time history of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

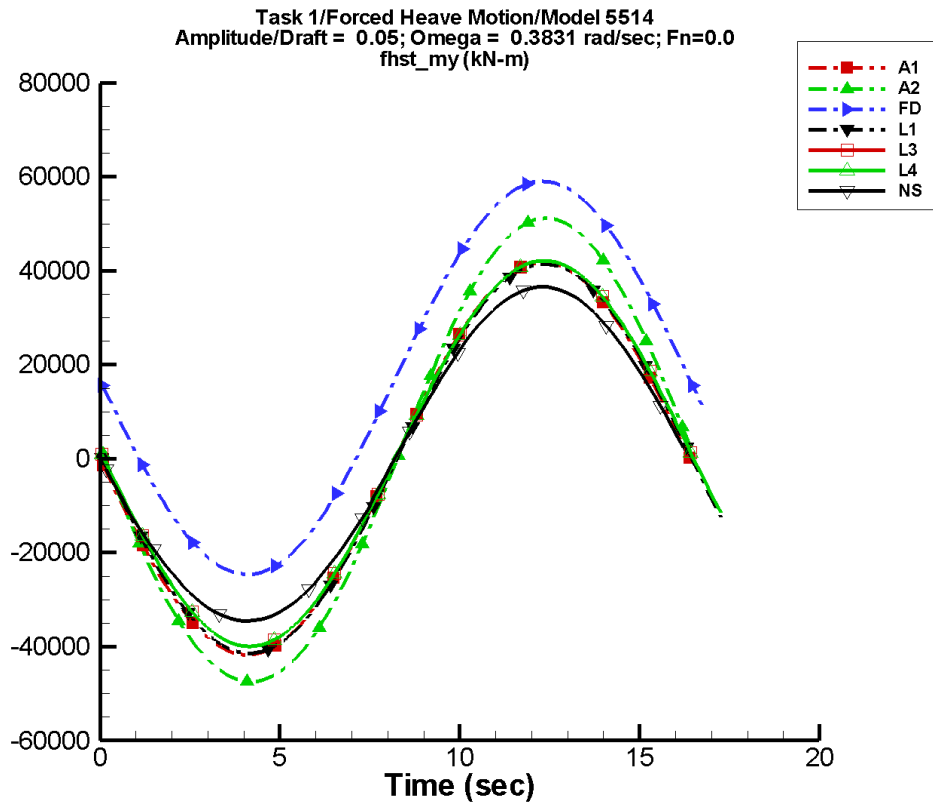
Table B–369. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	0.603	6.67E+05	180	0.586	161
A2	6.39E+04	3.10E+05	-179	5.82E+04	-95
FD	9.60E+04	3.49E+05	-178	6.90E+04	-79
L1	-2.49	6.62E+05	179	0.100	173
L3	8.23E+04	3.33E+05	-179	7.33E+04	-94
L4	8.23E+04	3.33E+05	-179	7.33E+04	-94
NF	—	—	—	—	—
NS	1.15E+05	3.75E+05	180	1.10E+05	-90

Table B–370. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-6.67E+05	6.67E+05	-6.67E+05	6.67E+05
A2	-3.35E+05	4.63E+05	-1.89E+05	4.48E+05
FD	-1.82E+05	5.09E+05	-1.81E+05	5.02E+05
L1	-6.62E+05	6.62E+05	-6.62E+05	6.62E+05
L3	-1.88E+05	4.81E+05	-1.88E+05	4.78E+05
L4	-1.88E+05	4.81E+05	-1.88E+05	4.78E+05
NF	—	—	—	—
NS	-1.73E+05	5.53E+05	-1.70E+05	5.51E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-186. Time history of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

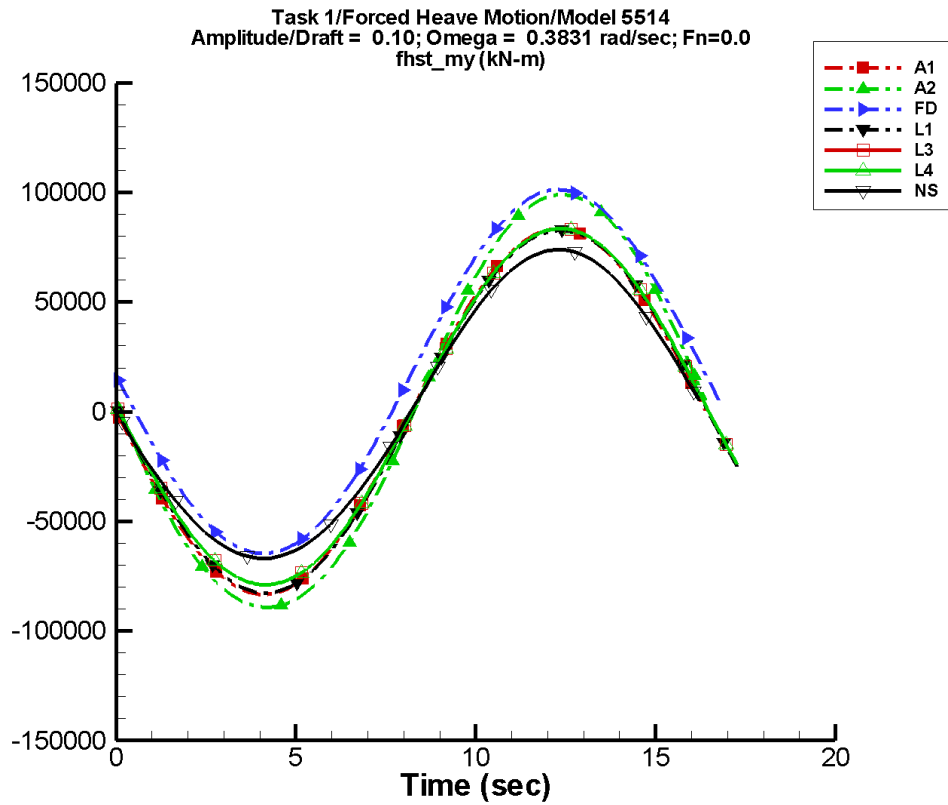
Table B–371. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-3.96E-04	4.18E+04	-180	6.66E-03	55
A2	1.25E+03	4.96E+04	178	646.	-97
FD	1.70E+04	4.18E+04	-180	147.	-90
L1	-0.148	4.14E+04	179	5.25E-03	150
L3	937.	4.10E+04	179	159.	-93
L4	937.	4.10E+04	179	159.	-93
NF	—	—	—	—	—
NS	431.	3.57E+04	180	575.	-90

Table B–372. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-4.18E+04	4.18E+04	-4.19E+04	4.16E+04
A2	-4.74E+04	5.12E+04	-4.75E+04	5.10E+04
FD	-2.46E+04	5.90E+04	-2.45E+04	5.89E+04
L1	-4.14E+04	4.14E+04	-4.14E+04	4.14E+04
L3	-3.99E+04	4.21E+04	-3.99E+04	4.21E+04
L4	-3.99E+04	4.21E+04	-3.99E+04	4.21E+04
NF	—	—	—	—
NS	-3.46E+04	3.66E+04	-3.42E+04	3.62E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-187. Time history of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

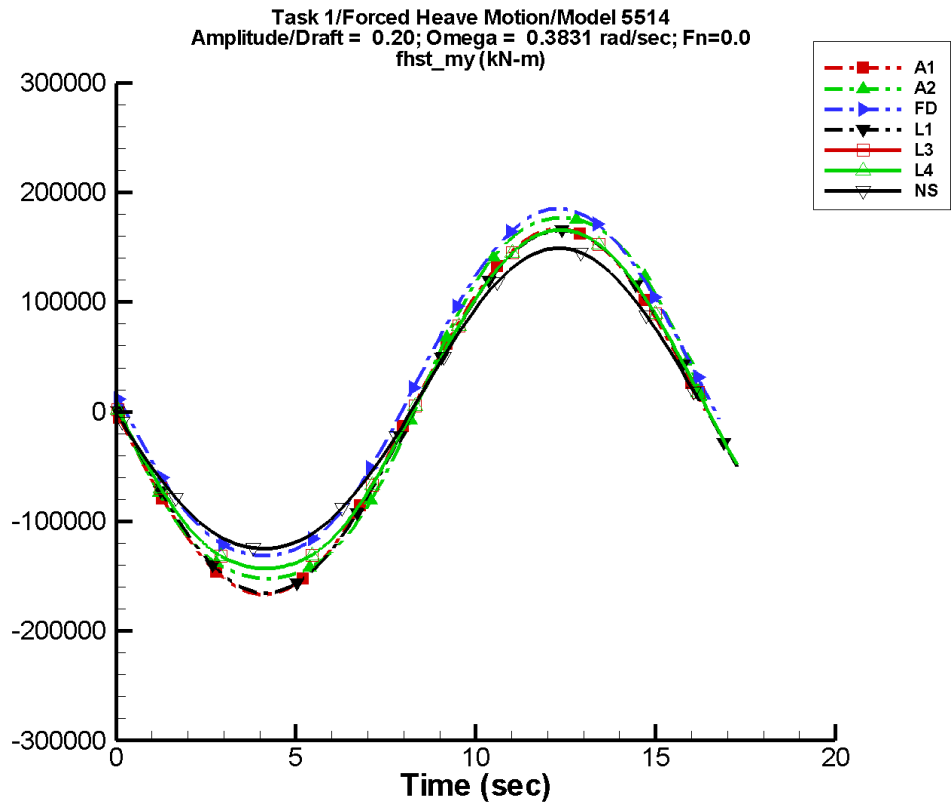
Table B–373. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-7.90E-03	8.34E+04	-180	6.09E-03	34
A2	2.83E+03	9.54E+04	178	2.33E+03	-97
FD	1.76E+04	8.32E+04	-180	737.	-89
L1	-0.282	8.27E+04	179	4.72E-03	58
L3	1.49E+03	8.15E+04	179	771.	-95
L4	1.49E+03	8.15E+04	179	771.	-95
NF	—	—	—	—	—
NS	1.79E+03	7.06E+04	180	1.77E+03	-90

Table B–374. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-8.34E+04	8.34E+04	-8.36E+04	8.31E+04
A2	-8.93E+04	9.90E+04	-8.94E+04	9.86E+04
FD	-6.46E+04	1.01E+05	-6.43E+04	1.01E+05
L1	-8.27E+04	8.27E+04	-8.26E+04	8.26E+04
L3	-7.89E+04	8.35E+04	-7.88E+04	8.34E+04
L4	-7.89E+04	8.35E+04	-7.88E+04	8.34E+04
NF	—	—	—	—
NS	-6.69E+04	7.38E+04	-6.63E+04	7.31E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-188. Time history of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

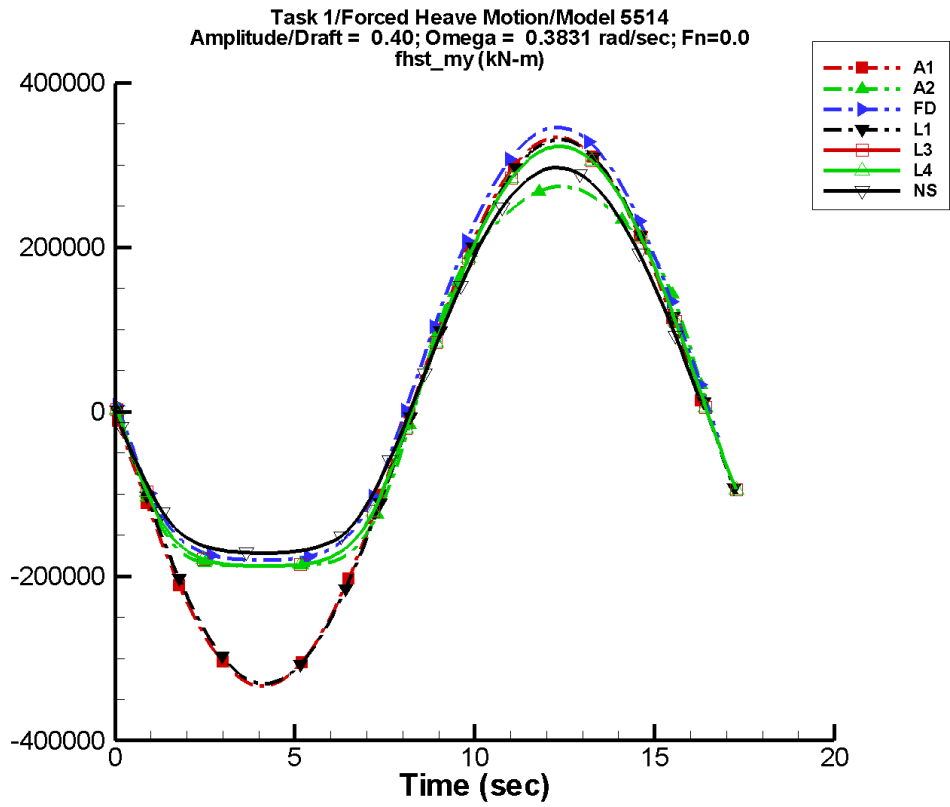
Table B–375. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-1.68E-02	1.67E+05	-180	1.97E-02	24
A2	6.94E+03	1.72E+05	178	6.88E+03	-101
FD	2.10E+04	1.61E+05	-180	5.21E+03	-88
L1	-0.569	1.65E+05	179	2.30E-02	72
L3	5.14E+03	1.58E+05	179	5.40E+03	-96
L4	5.14E+03	1.58E+05	179	5.40E+03	-96
NF	—	—	—	—	—
NS	6.18E+03	1.38E+05	180	5.92E+03	-90

Table B–376. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.67E+05	1.67E+05	-1.67E+05	1.66E+05
A2	-1.54E+05	1.77E+05	-1.53E+05	1.77E+05
FD	-1.31E+05	1.85E+05	-1.31E+05	1.85E+05
L1	-1.65E+05	1.65E+05	-1.65E+05	1.65E+05
L3	-1.43E+05	1.66E+05	-1.43E+05	1.66E+05
L4	-1.43E+05	1.66E+05	-1.43E+05	1.66E+05
NF	—	—	—	—
NS	-1.25E+05	1.49E+05	-1.24E+05	1.48E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-189. Time history of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

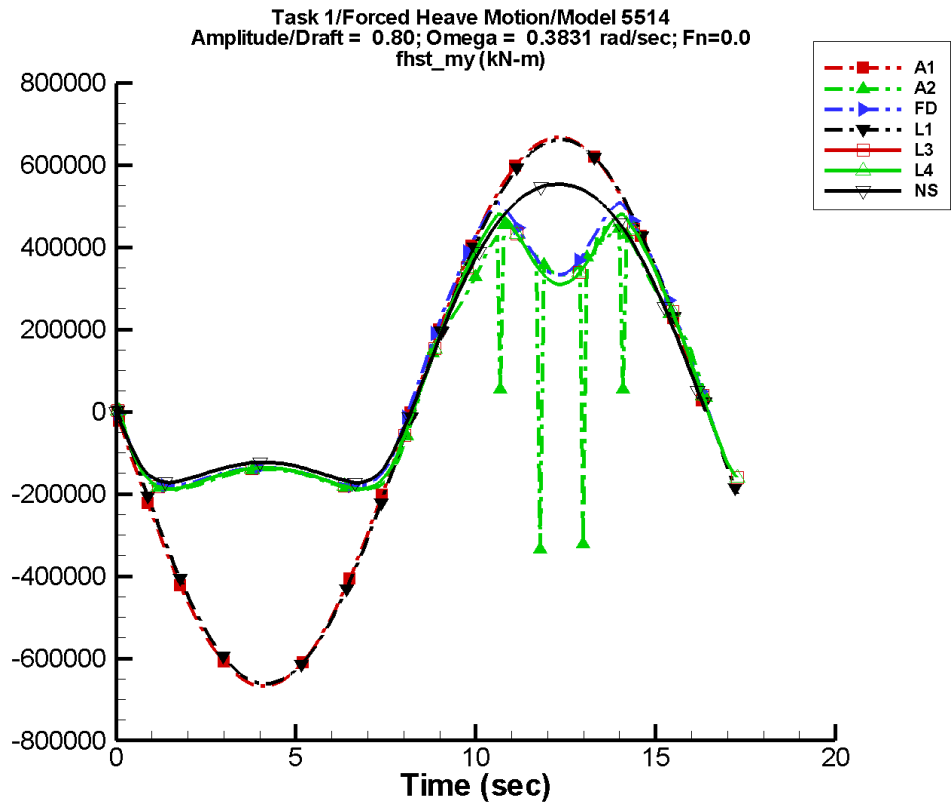
Table B–377. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-4.90E-02	3.34E+05	-180	4.13E-02	-5
A2	2.04E+04	2.56E+05	179	2.51E+04	-100
FD	4.62E+04	2.78E+05	-180	3.57E+04	-88
L1	-1.09	3.31E+05	179	3.27E-02	-90
L3	3.06E+04	2.72E+05	179	3.59E+04	-96
L4	3.06E+04	2.72E+05	179	3.59E+04	-96
NF	—	—	—	—	—
NS	2.98E+04	2.46E+05	180	3.18E+04	-90

Table B–378. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-3.34E+05	3.34E+05	-3.35E+05	3.32E+05
A2	-1.88E+05	2.74E+05	-1.89E+05	2.73E+05
FD	-1.80E+05	3.46E+05	-1.80E+05	3.45E+05
L1	-3.31E+05	3.31E+05	-3.30E+05	3.30E+05
L3	-1.88E+05	3.23E+05	-1.88E+05	3.22E+05
L4	-1.88E+05	3.23E+05	-1.88E+05	3.22E+05
NF	—	—	—	—
NS	-1.72E+05	2.97E+05	-1.72E+05	2.94E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-190. Time history of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

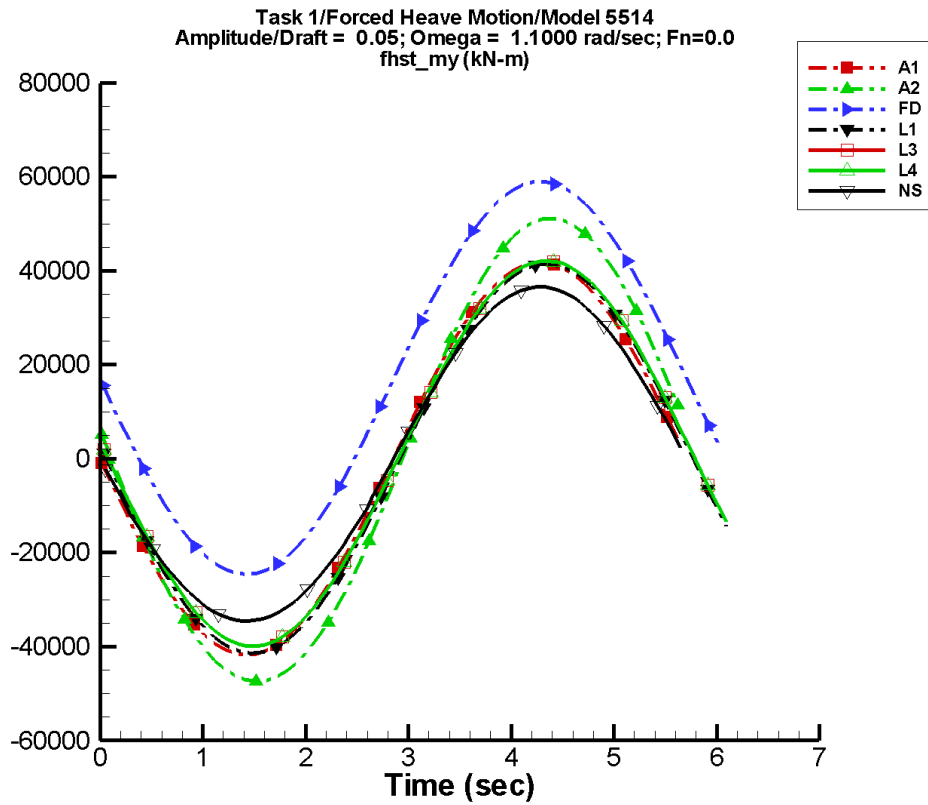
Table B–379. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-3.54E-02	6.67E+05	-180	5.15E-02	-8
A2	6.13E+04	3.05E+05	180	5.79E+04	-100
FD	9.60E+04	3.46E+05	-179	5.87E+04	-84
L1	-2.27	6.62E+05	179	6.41E-02	-55
L3	7.99E+04	3.40E+05	-180	6.35E+04	-99
L4	7.99E+04	3.40E+05	-180	6.35E+04	-99
NF	—	—	—	—	—
NS	1.15E+05	3.75E+05	180	1.10E+05	-90

Table B–380. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-6.67E+05	6.67E+05	-6.69E+05	6.65E+05
A2	-3.34E+05	4.64E+05	-1.87E+05	4.09E+05
FD	-1.82E+05	5.09E+05	-1.80E+05	4.92E+05
L1	-6.62E+05	6.62E+05	-6.61E+05	6.61E+05
L3	-1.88E+05	4.81E+05	-1.87E+05	4.73E+05
L4	-1.88E+05	4.81E+05	-1.87E+05	4.73E+05
NF	—	—	—	—
NS	-1.73E+05	5.53E+05	-1.70E+05	5.51E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-191. Time history of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

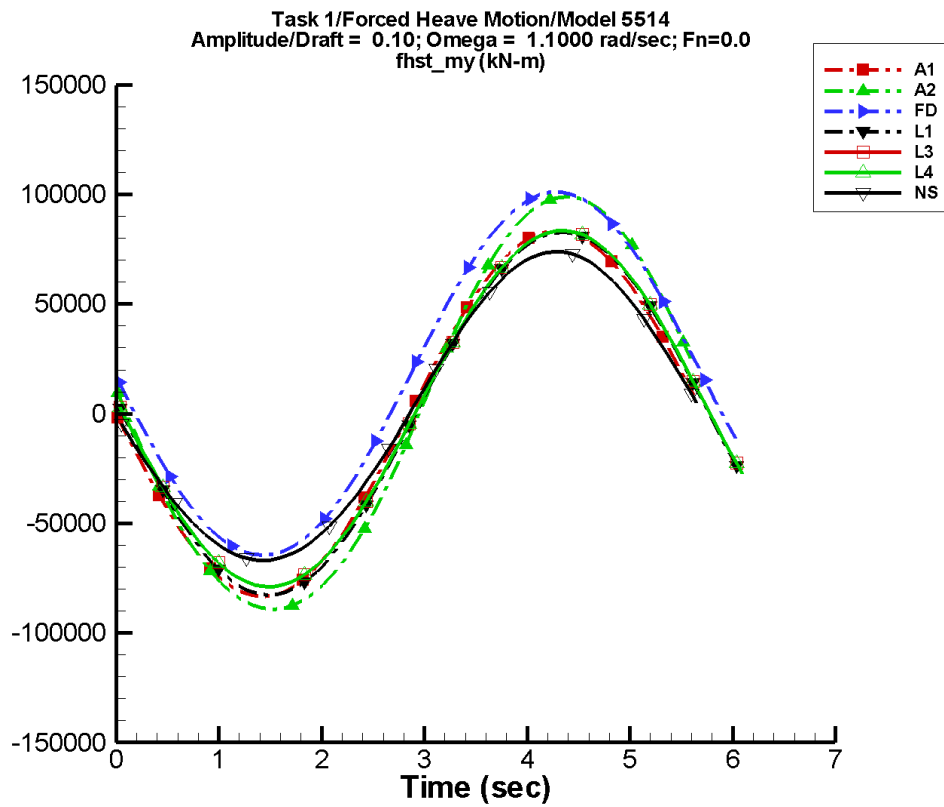
Table B–381. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	4.45E-02	4.18E+04	180	6.81E-02	168
A2	1.24E+03	4.96E+04	174	629.	-105
FD	1.70E+04	4.18E+04	180	149.	-90
L1	-3.67E-02	4.14E+04	176	5.61E-03	-161
L3	937.	4.10E+04	176	161.	-97
L4	937.	4.10E+04	176	161.	-97
NF	—	—	—	—	—
NS	431.	3.57E+04	180	575.	-90

Table B–382. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-4.18E+04	4.17E+04	-4.08E+04	4.05E+04
A2	-4.74E+04	5.11E+04	-4.60E+04	4.96E+04
FD	-2.46E+04	5.90E+04	-2.33E+04	5.77E+04
L1	-4.14E+04	4.14E+04	-4.09E+04	4.10E+04
L3	-3.99E+04	4.21E+04	-3.95E+04	4.17E+04
L4	-3.99E+04	4.21E+04	-3.95E+04	4.17E+04
NF	—	—	—	—
NS	-3.46E+04	3.66E+04	-3.42E+04	3.62E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-192. Time history of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

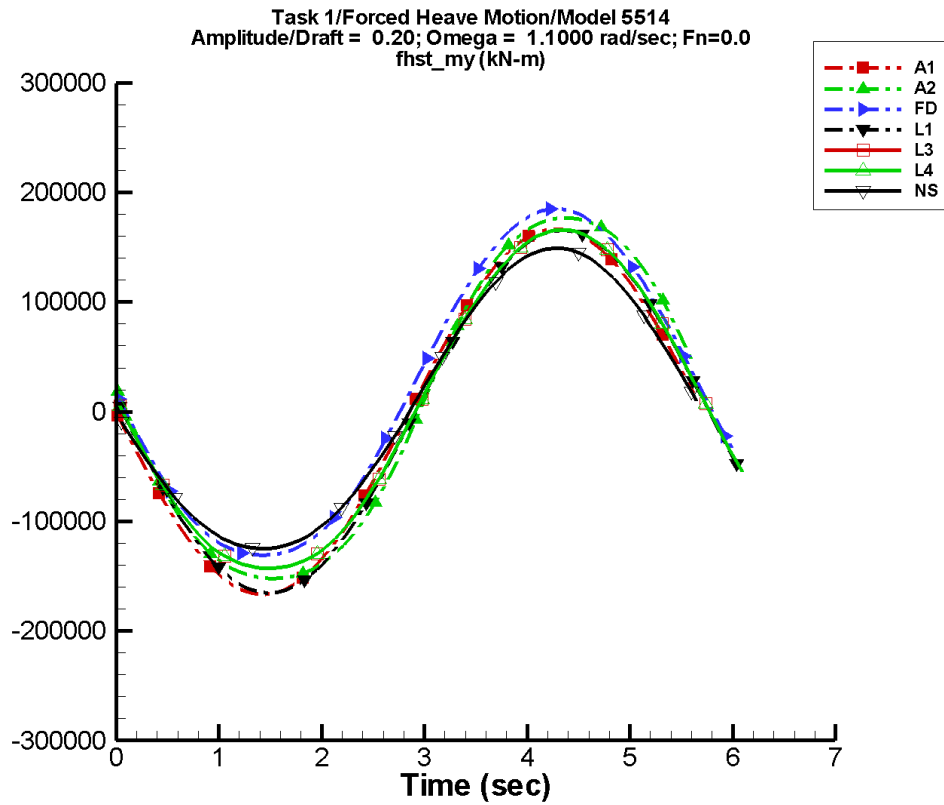
Table B–383. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	8.39E-02	8.34E+04	180	0.140	167
A2	2.82E+03	9.55E+04	174	2.27E+03	-105
FD	1.76E+04	8.32E+04	-180	772.	-90
L1	-0.111	8.27E+04	176	1.80E-02	-101
L3	1.49E+03	8.14E+04	176	817.	-98
L4	1.49E+03	8.14E+04	176	817.	-98
NF	—	—	—	—	—
NS	1.79E+03	7.06E+04	180	1.77E+03	-90

Table B–384. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-8.34E+04	8.33E+04	-8.14E+04	8.08E+04
A2	-8.93E+04	9.89E+04	-8.67E+04	9.61E+04
FD	-6.46E+04	1.01E+05	-6.21E+04	9.86E+04
L1	-8.27E+04	8.27E+04	-8.18E+04	8.18E+04
L3	-7.89E+04	8.35E+04	-7.80E+04	8.26E+04
L4	-7.89E+04	8.35E+04	-7.80E+04	8.26E+04
NF	—	—	—	—
NS	-6.69E+04	7.38E+04	-6.63E+04	7.31E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-193. Time history of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

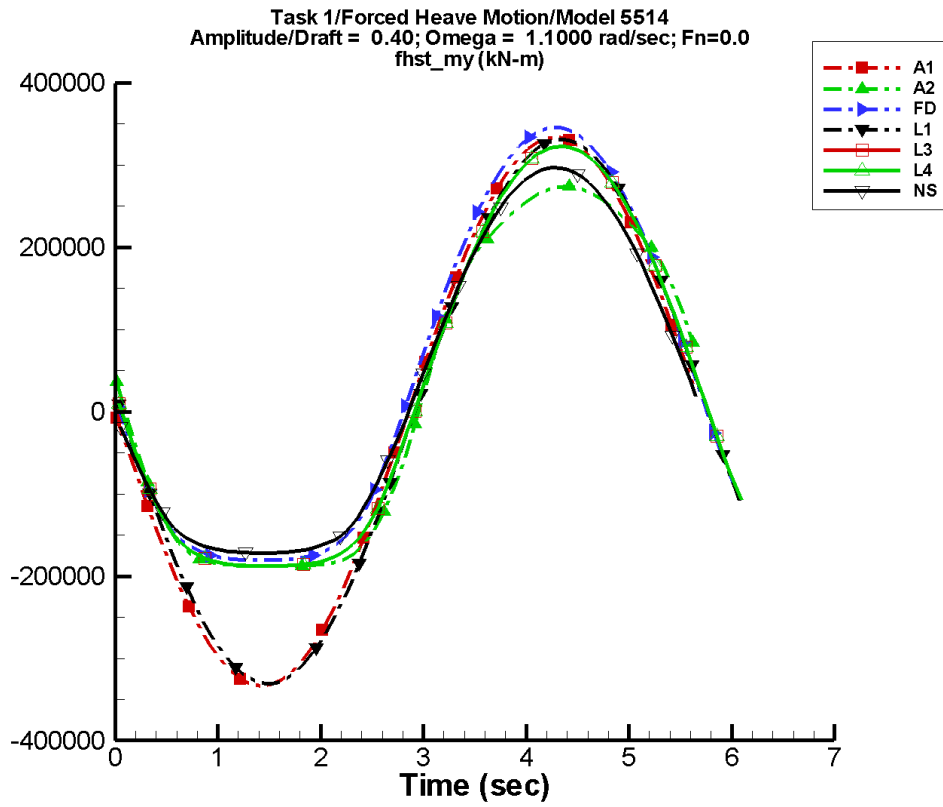
Table B–385. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	0.173	1.67E+05	180	0.283	167
A2	6.95E+03	1.72E+05	174	6.57E+03	-108
FD	2.10E+04	1.61E+05	-180	5.57E+03	-89
L1	-0.240	1.65E+05	176	2.30E-02	-16
L3	5.13E+03	1.57E+05	176	5.94E+03	-98
L4	5.13E+03	1.57E+05	176	5.94E+03	-98
NF	—	—	—	—	—
NS	6.18E+03	1.38E+05	180	5.92E+03	-90

Table B–386. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.67E+05	1.67E+05	-1.63E+05	1.62E+05
A2	-1.52E+05	1.77E+05	-1.49E+05	1.73E+05
FD	-1.31E+05	1.85E+05	-1.28E+05	1.80E+05
L1	-1.65E+05	1.65E+05	-1.64E+05	1.64E+05
L3	-1.43E+05	1.66E+05	-1.42E+05	1.64E+05
L4	-1.43E+05	1.66E+05	-1.42E+05	1.64E+05
NF	—	—	—	—
NS	-1.25E+05	1.49E+05	-1.24E+05	1.48E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-194. Time history of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

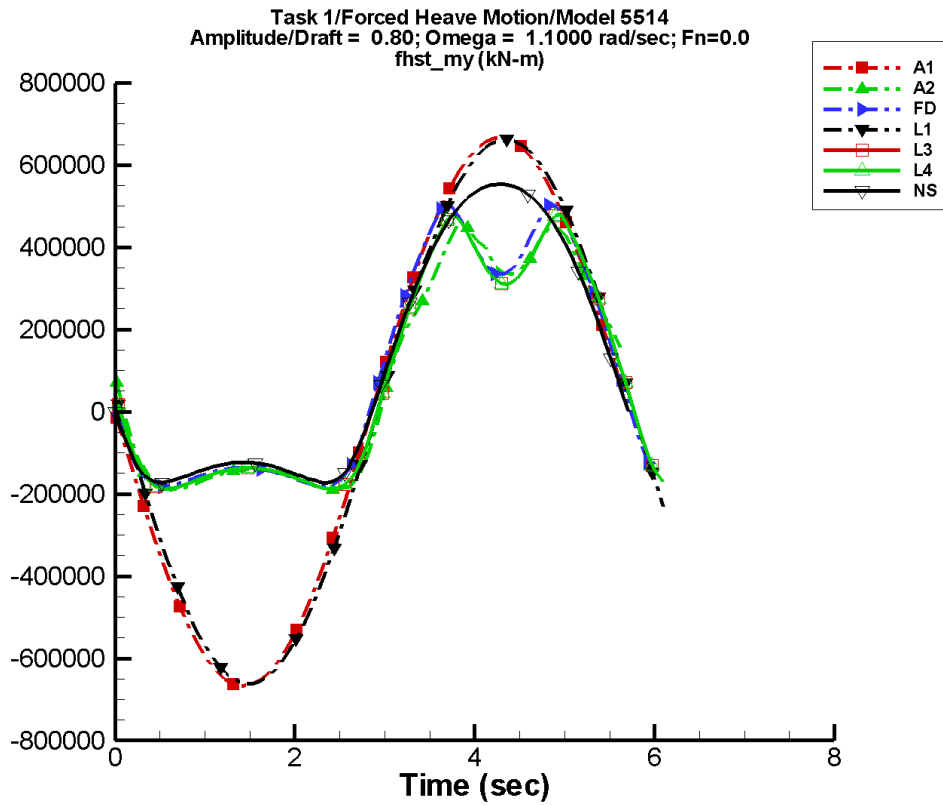
Table B–387. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	0.347	3.34E+05	180	0.565	167
A2	2.02E+04	2.57E+05	174	2.36E+04	-109
FD	4.63E+04	2.79E+05	-180	3.83E+04	-89
L1	-0.473	3.31E+05	176	6.65E-02	177
L3	3.05E+04	2.71E+05	176	3.93E+04	-98
L4	3.05E+04	2.71E+05	176	3.93E+04	-98
NF	—	—	—	—	—
NS	2.98E+04	2.46E+05	180	3.18E+04	-90

Table B–388. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-3.34E+05	3.33E+05	-3.26E+05	3.23E+05
A2	-1.88E+05	2.74E+05	-1.90E+05	2.66E+05
FD	-1.80E+05	3.46E+05	-1.79E+05	3.36E+05
L1	-3.31E+05	3.31E+05	-3.27E+05	3.27E+05
L3	-1.88E+05	3.23E+05	-1.87E+05	3.19E+05
L4	-1.88E+05	3.23E+05	-1.87E+05	3.19E+05
NF	—	—	—	—
NS	-1.72E+05	2.97E+05	-1.72E+05	2.94E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-195. Time history of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

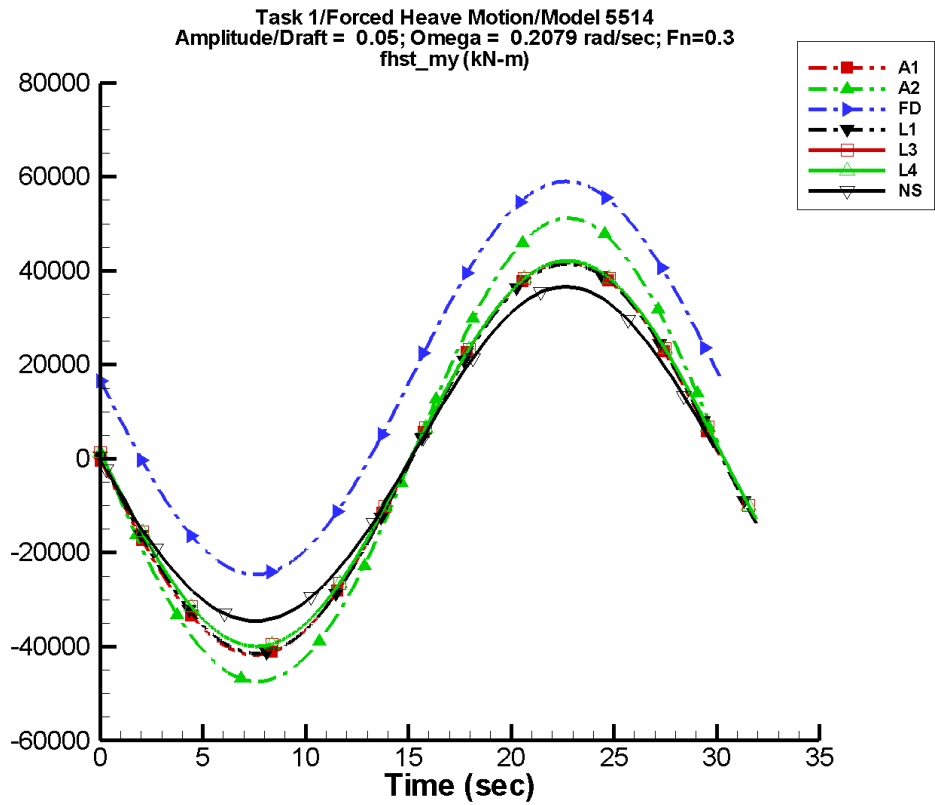
Table B–389. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	0.665	6.67E+05	180	1.13	167
A2	7.56E+04	3.33E+05	175	7.25E+04	-106
FD	9.38E+04	3.49E+05	-180	7.73E+04	-89
L1	-0.835	6.62E+05	176	0.146	-105
L3	7.86E+04	3.35E+05	176	8.01E+04	-98
L4	7.86E+04	3.35E+05	176	8.01E+04	-98
NF	—	—	—	—	—
NS	1.15E+05	3.75E+05	180	1.10E+05	-90

Table B–390. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-6.67E+05	6.67E+05	-6.51E+05	6.46E+05
A2	-1.89E+05	4.60E+05	-1.78E+05	3.95E+05
FD	-1.82E+05	5.04E+05	-1.71E+05	4.33E+05
L1	-6.62E+05	6.62E+05	-6.54E+05	6.54E+05
L3	-1.88E+05	4.81E+05	-1.84E+05	4.44E+05
L4	-1.88E+05	4.81E+05	-1.84E+05	4.44E+05
NF	—	—	—	—
NS	-1.73E+05	5.53E+05	-1.70E+05	5.51E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-196. Time history of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

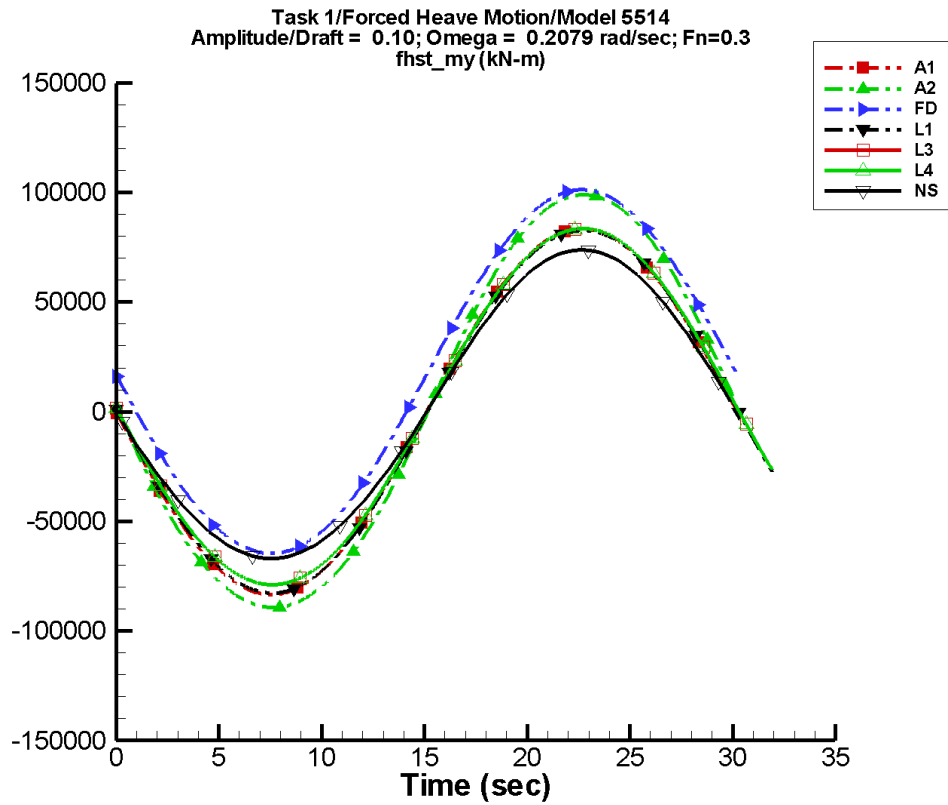
Table B–391. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	3.13E-02	4.18E+04	180	3.80E-02	162
A2	1.25E+03	4.96E+04	179	644.	-95
FD	1.70E+04	4.18E+04	-180	148.	-89
L1	-0.102	4.14E+04	179	2.10E-03	-36
L3	938.	4.10E+04	179	161.	-91
L4	938.	4.10E+04	179	161.	-91
NF	—	—	—	—	—
NS	434.	3.57E+04	180	570.	-90

Table B–392. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-4.18E+04	4.18E+04	-4.18E+04	4.17E+04
A2	-4.74E+04	5.12E+04	-4.74E+04	5.11E+04
FD	-2.46E+04	5.90E+04	-2.46E+04	5.90E+04
L1	-4.14E+04	4.14E+04	-4.14E+04	4.14E+04
L3	-3.99E+04	4.21E+04	-3.99E+04	4.21E+04
L4	-3.99E+04	4.21E+04	-3.99E+04	4.21E+04
NF	—	—	—	—
NS	-3.46E+04	3.66E+04	-3.42E+04	3.62E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-197. Time history of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

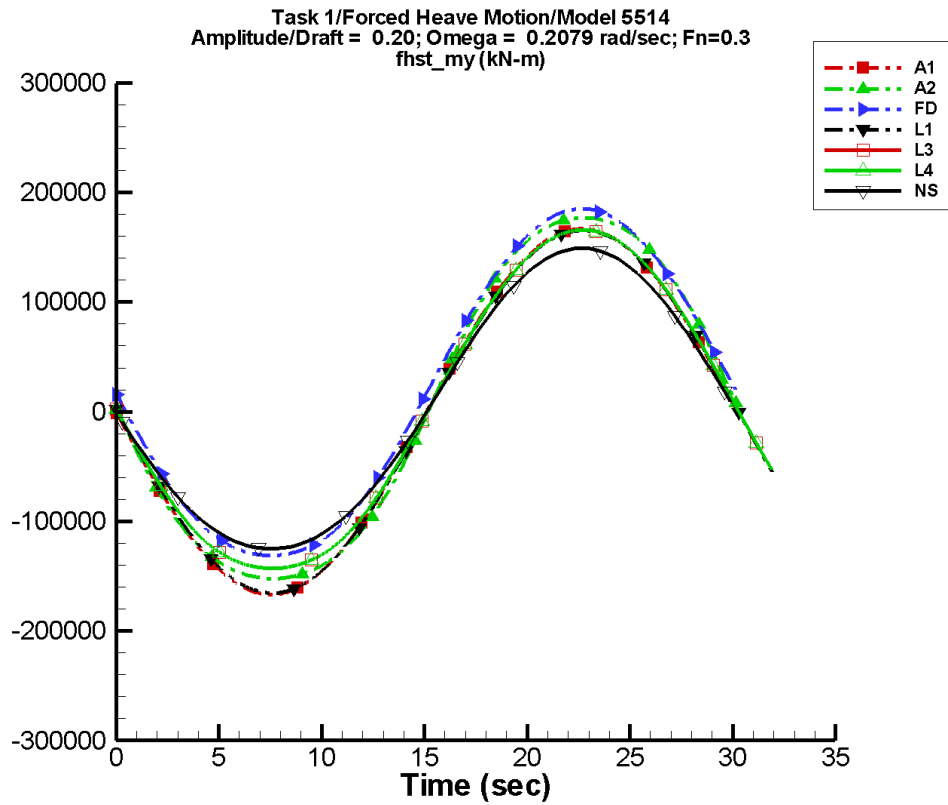
Table B–393. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	7.36E-02	8.34E+04	180	7.34E-02	164
A2	2.83E+03	9.54E+04	179	2.32E+03	-95
FD	1.76E+04	8.32E+04	-180	751.	-88
L1	-0.315	8.27E+04	179	1.83E-02	175
L3	1.49E+03	8.15E+04	179	814.	-92
L4	1.49E+03	8.15E+04	179	814.	-92
NF	—	—	—	—	—
NS	1.79E+03	7.06E+04	180	1.77E+03	-90

Table B–394. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-8.34E+04	8.34E+04	-8.34E+04	8.33E+04
A2	-8.93E+04	9.90E+04	-8.92E+04	9.89E+04
FD	-6.46E+04	1.01E+05	-6.45E+04	1.01E+05
L1	-8.27E+04	8.27E+04	-8.27E+04	8.27E+04
L3	-7.89E+04	8.35E+04	-7.89E+04	8.35E+04
L4	-7.89E+04	8.35E+04	-7.89E+04	8.35E+04
NF	—	—	—	—
NS	-6.69E+04	7.38E+04	-6.63E+04	7.31E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-198. Time history of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

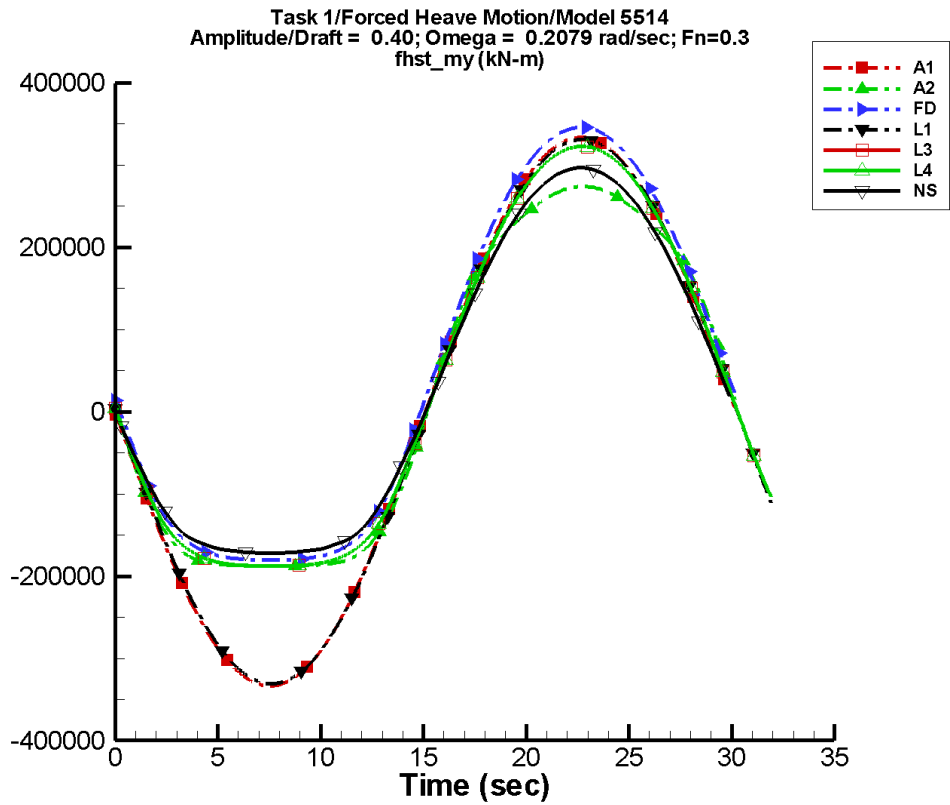
Table B–395. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	0.144	1.67E+05	180	0.146	166
A2	6.99E+03	1.72E+05	179	6.86E+03	-97
FD	2.11E+04	1.61E+05	-180	5.35E+03	-88
L1	-0.602	1.65E+05	179	1.66E-02	160
L3	5.16E+03	1.57E+05	179	5.93E+03	-92
L4	5.16E+03	1.57E+05	179	5.93E+03	-92
NF	—	—	—	—	—
NS	6.18E+03	1.38E+05	-180	5.92E+03	-90

Table B–396. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.67E+05	1.67E+05	-1.67E+05	1.67E+05
A2	-1.52E+05	1.77E+05	-1.52E+05	1.77E+05
FD	-1.31E+05	1.85E+05	-1.31E+05	1.85E+05
L1	-1.65E+05	1.65E+05	-1.65E+05	1.65E+05
L3	-1.43E+05	1.66E+05	-1.43E+05	1.66E+05
L4	-1.43E+05	1.66E+05	-1.43E+05	1.66E+05
NF	—	—	—	—
NS	-1.25E+05	1.49E+05	-1.24E+05	1.48E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-199. Time history of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

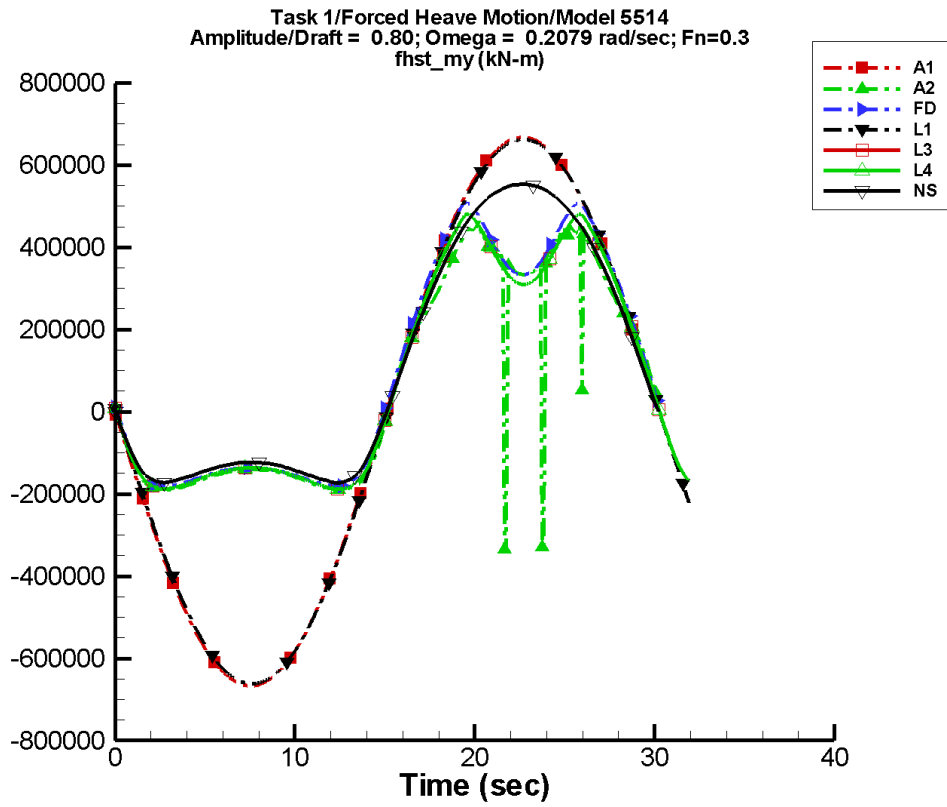
Table B–397. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	0.282	3.34E+05	180	0.304	162
A2	2.03E+04	2.56E+05	180	2.49E+04	-98
FD	4.64E+04	2.79E+05	-180	3.67E+04	-88
L1	-1.26	3.31E+05	179	2.15E-02	-88
L3	3.09E+04	2.71E+05	179	3.87E+04	-92
L4	3.09E+04	2.71E+05	179	3.87E+04	-92
NF	—	—	—	—	—
NS	2.98E+04	2.46E+05	180	3.18E+04	-90

Table B–398. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-3.34E+05	3.34E+05	-3.34E+05	3.33E+05
A2	-1.88E+05	2.74E+05	-1.88E+05	2.74E+05
FD	-1.80E+05	3.46E+05	-1.80E+05	3.46E+05
L1	-3.31E+05	3.31E+05	-3.31E+05	3.31E+05
L3	-1.88E+05	3.23E+05	-1.88E+05	3.23E+05
L4	-1.88E+05	3.23E+05	-1.88E+05	3.23E+05
NF	—	—	—	—
NS	-1.72E+05	2.97E+05	-1.72E+05	2.94E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-200. Time history of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

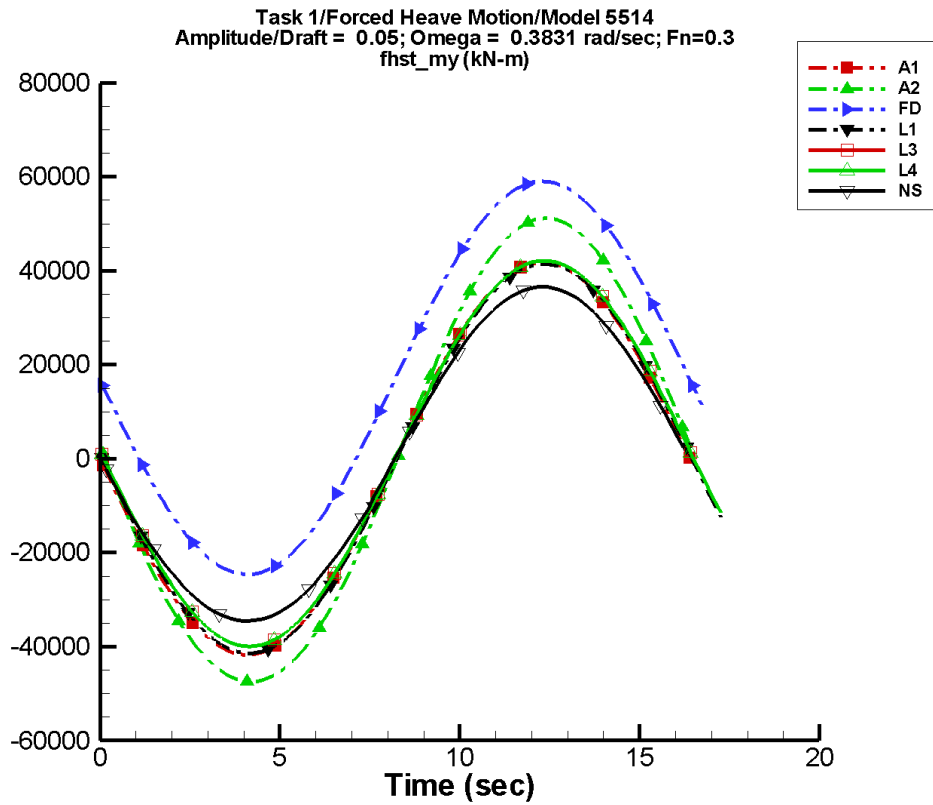
Table B–399. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	0.603	6.67E+05	180	0.586	161
A2	6.39E+04	3.10E+05	-179	5.82E+04	-95
FD	9.60E+04	3.49E+05	-178	6.90E+04	-79
L1	-2.49	6.62E+05	179	0.100	173
L3	8.23E+04	3.33E+05	-179	7.33E+04	-94
L4	8.23E+04	3.33E+05	-179	7.33E+04	-94
NF	—	—	—	—	—
NS	1.15E+05	3.75E+05	180	1.10E+05	-90

Table B–400. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-6.67E+05	6.67E+05	-6.67E+05	6.67E+05
A2	-3.35E+05	4.63E+05	-1.89E+05	4.48E+05
FD	-1.82E+05	5.09E+05	-1.81E+05	5.02E+05
L1	-6.62E+05	6.62E+05	-6.62E+05	6.62E+05
L3	-1.88E+05	4.81E+05	-1.88E+05	4.78E+05
L4	-1.88E+05	4.81E+05	-1.88E+05	4.78E+05
NF	—	—	—	—
NS	-1.73E+05	5.53E+05	-1.70E+05	5.51E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-201. Time history of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

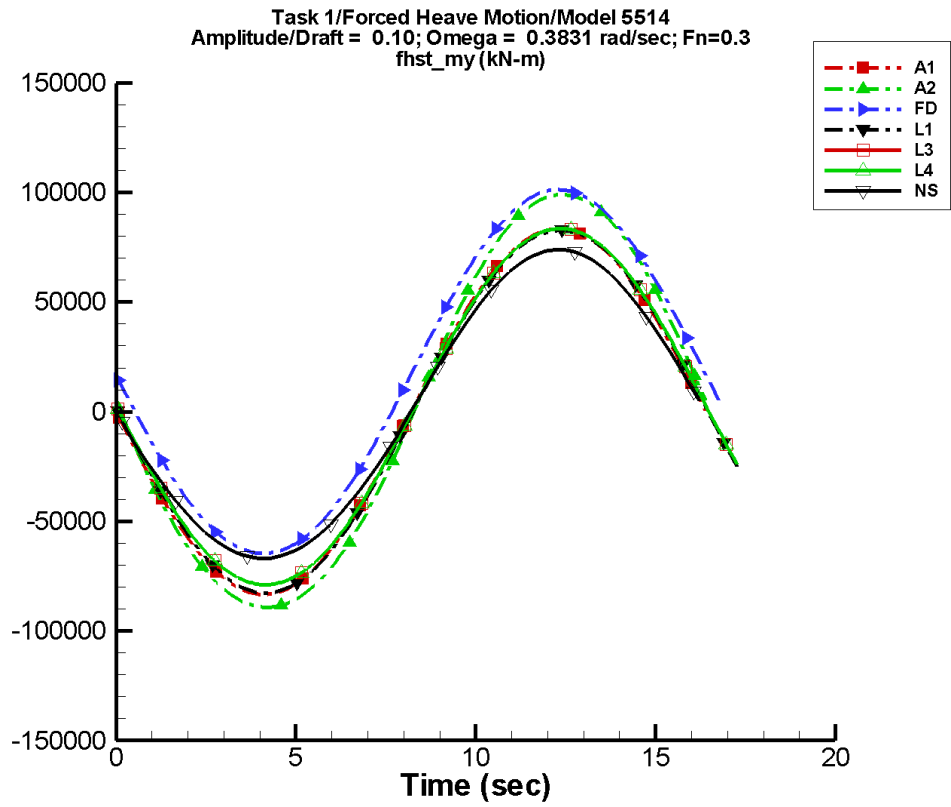
Table B–401. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-3.96E-04	4.18E+04	-180	6.66E-03	55
A2	1.25E+03	4.96E+04	178	646.	-97
FD	1.70E+04	4.18E+04	-180	147.	-90
L1	-0.148	4.14E+04	179	5.25E-03	150
L3	938.	4.10E+04	179	159.	-93
L4	938.	4.10E+04	179	159.	-93
NF	—	—	—	—	—
NS	431.	3.57E+04	180	575.	-90

Table B–402. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-4.18E+04	4.18E+04	-4.19E+04	4.16E+04
A2	-4.74E+04	5.12E+04	-4.75E+04	5.10E+04
FD	-2.46E+04	5.90E+04	-2.45E+04	5.89E+04
L1	-4.14E+04	4.14E+04	-4.14E+04	4.14E+04
L3	-3.99E+04	4.21E+04	-3.99E+04	4.21E+04
L4	-3.99E+04	4.21E+04	-3.99E+04	4.21E+04
NF	—	—	—	—
NS	-3.46E+04	3.66E+04	-3.42E+04	3.62E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-202. Time history of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

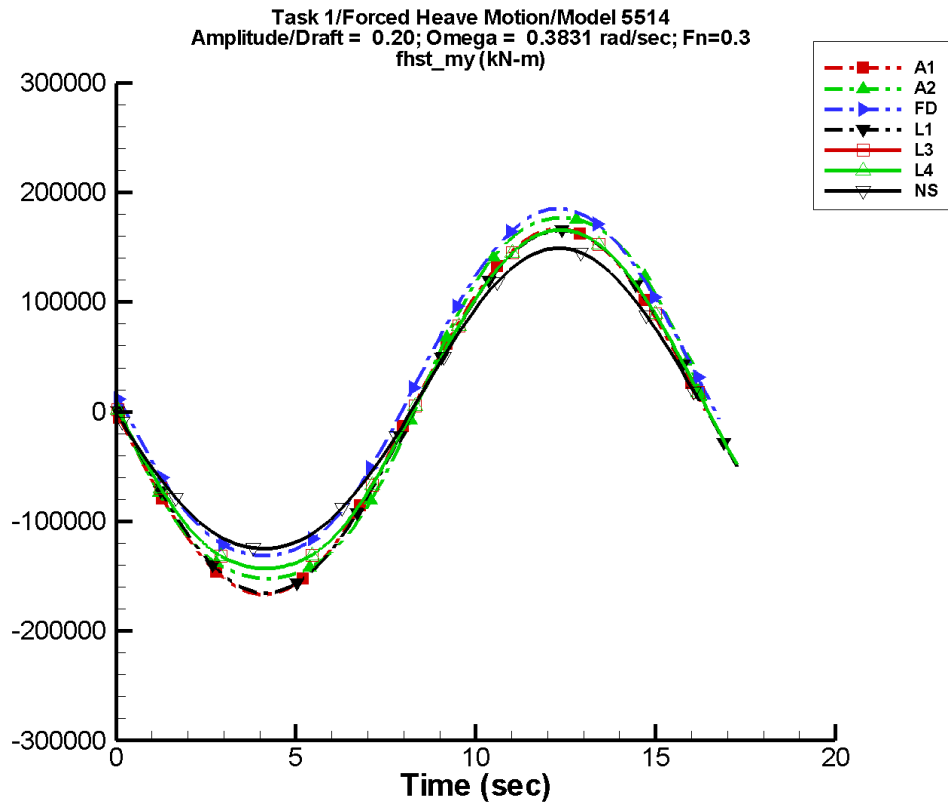
Table B–403. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-7.90E-03	8.34E+04	-180	6.09E-03	34
A2	2.83E+03	9.54E+04	178	2.33E+03	-97
FD	1.76E+04	8.32E+04	-180	737.	-89
L1	-0.282	8.27E+04	179	4.72E-03	58
L3	1.49E+03	8.15E+04	179	771.	-95
L4	1.49E+03	8.15E+04	179	771.	-95
NF	—	—	—	—	—
NS	1.79E+03	7.06E+04	180	1.77E+03	-90

Table B–404. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-8.34E+04	8.34E+04	-8.36E+04	8.31E+04
A2	-8.93E+04	9.90E+04	-8.94E+04	9.86E+04
FD	-6.46E+04	1.01E+05	-6.43E+04	1.01E+05
L1	-8.27E+04	8.27E+04	-8.26E+04	8.26E+04
L3	-7.89E+04	8.35E+04	-7.88E+04	8.34E+04
L4	-7.89E+04	8.35E+04	-7.88E+04	8.34E+04
NF	—	—	—	—
NS	-6.69E+04	7.38E+04	-6.63E+04	7.31E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-203. Time history of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

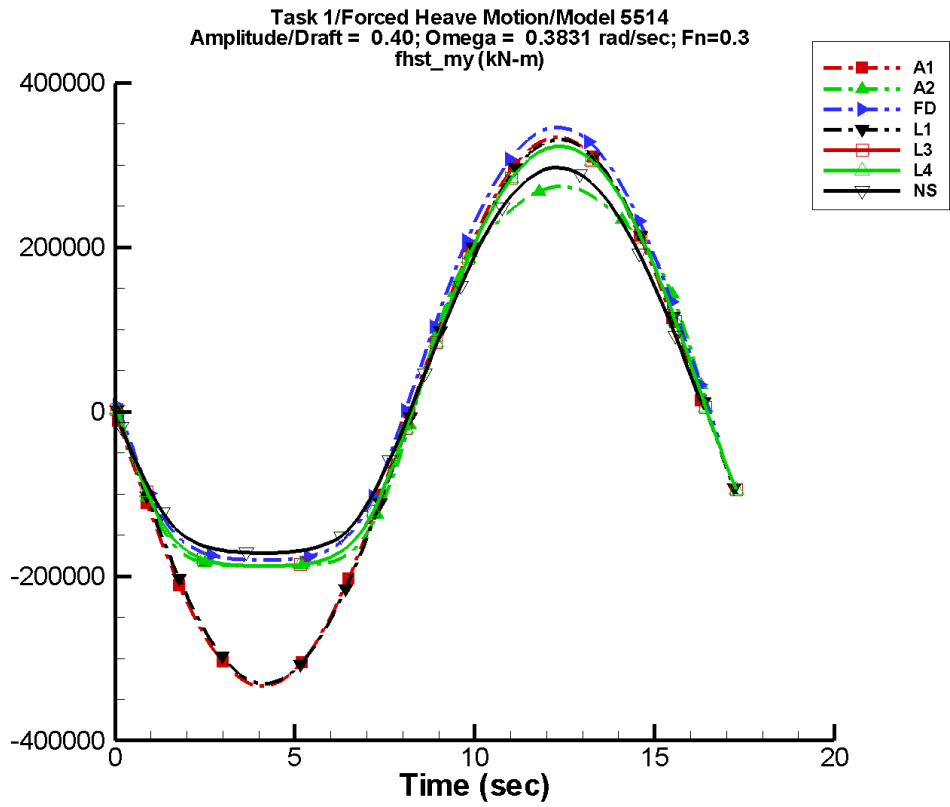
Table B-405. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-1.68E-02	1.67E+05	-180	1.97E-02	24
A2	6.94E+03	1.72E+05	178	6.88E+03	-101
FD	2.10E+04	1.61E+05	-180	5.21E+03	-88
L1	-0.569	1.65E+05	179	2.30E-02	72
L3	5.14E+03	1.58E+05	179	5.40E+03	-96
L4	5.14E+03	1.58E+05	179	5.40E+03	-96
NF	—	—	—	—	—
NS	6.18E+03	1.38E+05	180	5.92E+03	-90

Table B-406. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.67E+05	1.67E+05	-1.67E+05	1.66E+05
A2	-1.54E+05	1.77E+05	-1.53E+05	1.77E+05
FD	-1.31E+05	1.85E+05	-1.31E+05	1.85E+05
L1	-1.65E+05	1.65E+05	-1.65E+05	1.65E+05
L3	-1.43E+05	1.66E+05	-1.43E+05	1.66E+05
L4	-1.43E+05	1.66E+05	-1.43E+05	1.66E+05
NF	—	—	—	—
NS	-1.25E+05	1.49E+05	-1.24E+05	1.48E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-204. Time history of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

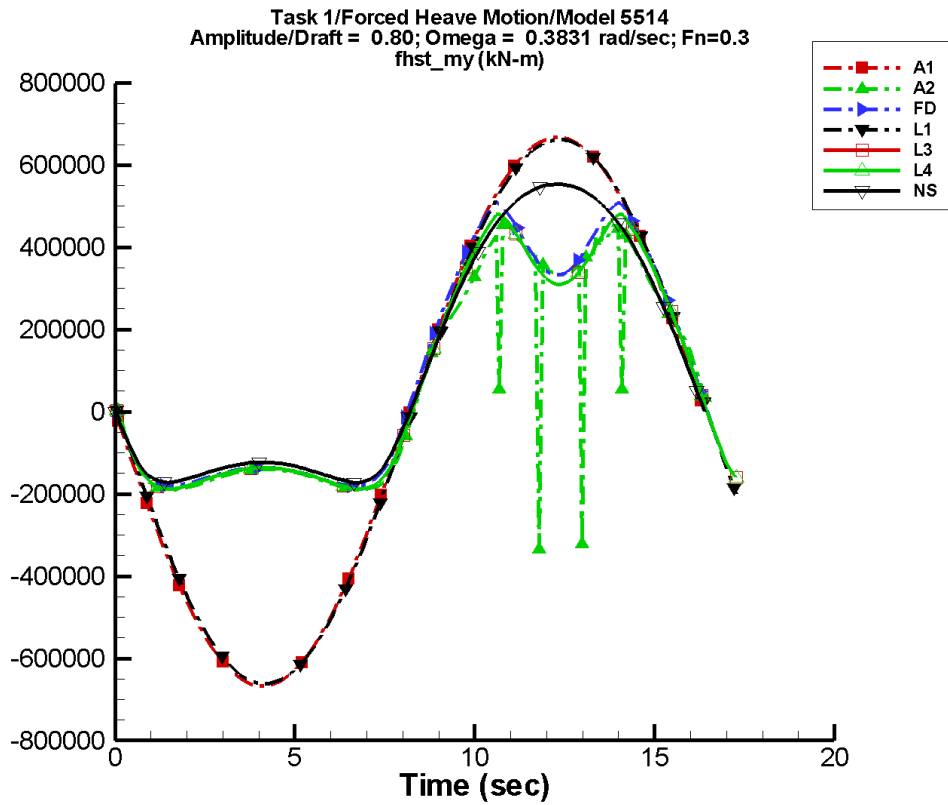
Table B-407. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-4.90E-02	3.34E+05	-180	4.13E-02	-5
A2	2.04E+04	2.56E+05	179	2.51E+04	-100
FD	4.62E+04	2.78E+05	-180	3.57E+04	-88
L1	-1.09	3.31E+05	179	3.27E-02	-90
L3	3.06E+04	2.72E+05	179	3.59E+04	-96
L4	3.06E+04	2.72E+05	179	3.59E+04	-96
NF	—	—	—	—	—
NS	2.98E+04	2.46E+05	180	3.18E+04	-90

Table B-408. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-3.34E+05	3.34E+05	-3.35E+05	3.32E+05
A2	-1.88E+05	2.74E+05	-1.89E+05	2.73E+05
FD	-1.80E+05	3.46E+05	-1.80E+05	3.45E+05
L1	-3.31E+05	3.31E+05	-3.30E+05	3.30E+05
L3	-1.88E+05	3.23E+05	-1.88E+05	3.22E+05
L4	-1.88E+05	3.23E+05	-1.88E+05	3.22E+05
NF	—	—	—	—
NS	-1.72E+05	2.97E+05	-1.72E+05	2.94E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-205. Time history of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

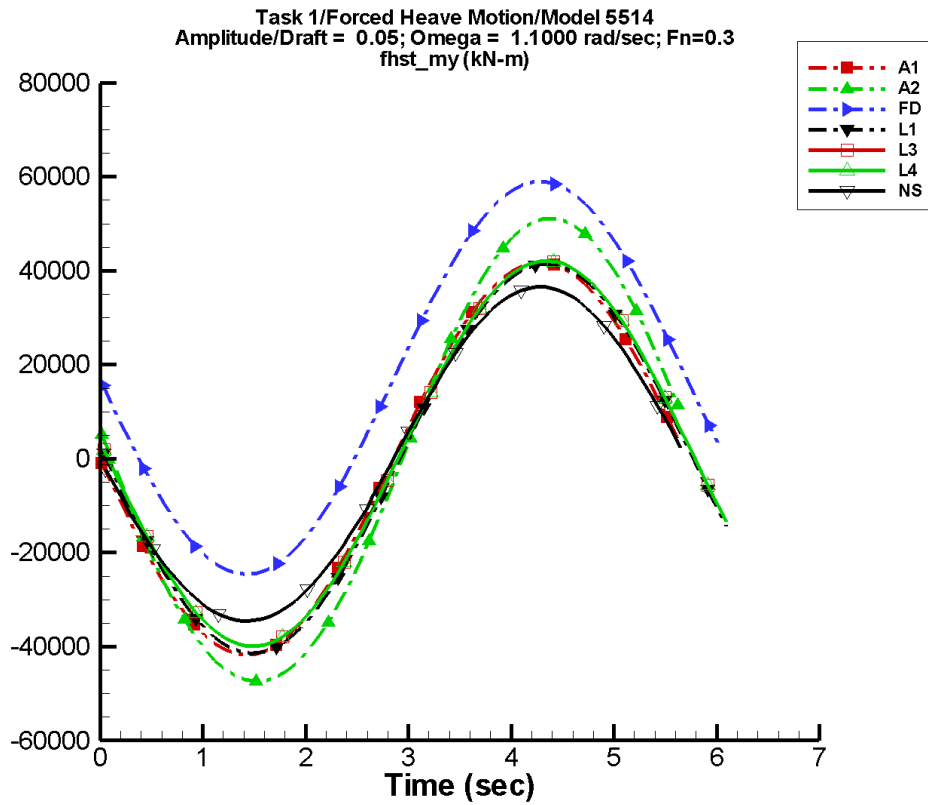
Table B–409. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-3.54E-02	6.67E+05	-180	5.15E-02	-8
A2	6.13E+04	3.05E+05	180	5.79E+04	-100
FD	9.60E+04	3.46E+05	-179	5.87E+04	-84
L1	-2.27	6.62E+05	179	6.41E-02	-55
L3	7.99E+04	3.40E+05	-180	6.35E+04	-99
L4	7.99E+04	3.40E+05	-180	6.35E+04	-99
NF	—	—	—	—	—
NS	1.15E+05	3.75E+05	180	1.10E+05	-90

Table B–410. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-6.67E+05	6.67E+05	-6.69E+05	6.65E+05
A2	-3.34E+05	4.64E+05	-1.87E+05	4.09E+05
FD	-1.82E+05	5.09E+05	-1.80E+05	4.92E+05
L1	-6.62E+05	6.62E+05	-6.61E+05	6.61E+05
L3	-1.88E+05	4.81E+05	-1.87E+05	4.73E+05
L4	-1.88E+05	4.81E+05	-1.87E+05	4.73E+05
NF	—	—	—	—
NS	-1.73E+05	5.53E+05	-1.70E+05	5.51E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-206. Time history of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

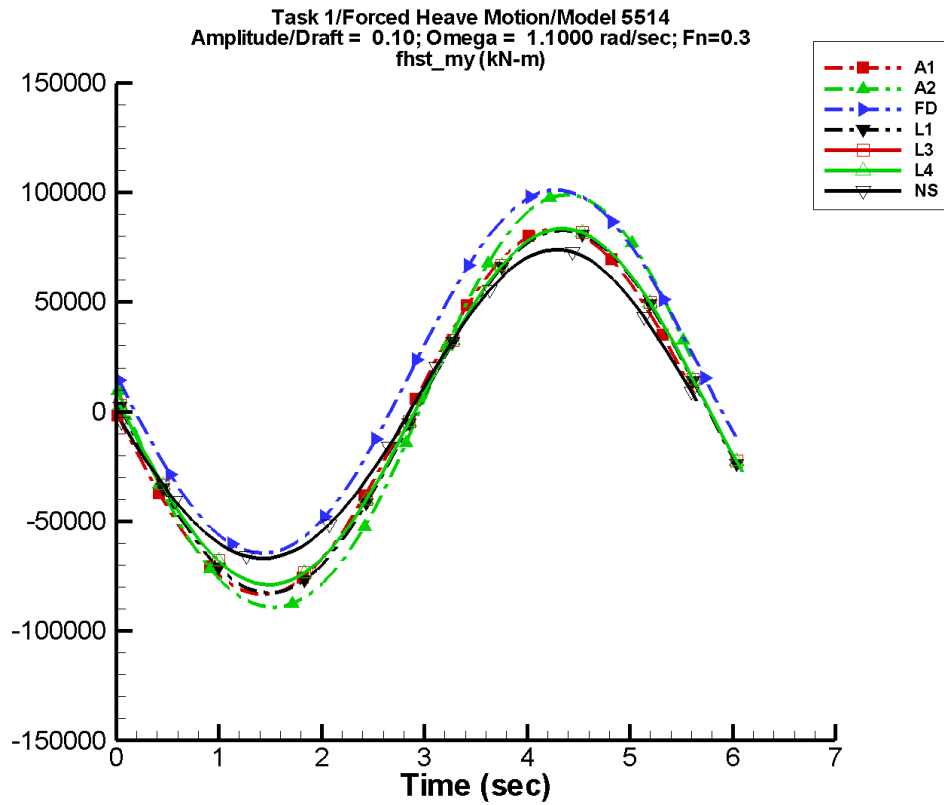
Table B–411. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	4.45E-02	4.18E+04	180	6.81E-02	168
A2	1.24E+03	4.96E+04	174	629.	-105
FD	1.70E+04	4.18E+04	180	149.	-90
L1	-3.67E-02	4.14E+04	176	5.61E-03	-161
L3	937.	4.10E+04	176	161.	-97
L4	937.	4.10E+04	176	161.	-97
NF	—	—	—	—	—
NS	431.	3.57E+04	180	575.	-90

Table B–412. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-4.18E+04	4.17E+04	-4.08E+04	4.05E+04
A2	-4.74E+04	5.11E+04	-4.60E+04	4.96E+04
FD	-2.46E+04	5.90E+04	-2.33E+04	5.77E+04
L1	-4.14E+04	4.14E+04	-4.09E+04	4.10E+04
L3	-3.99E+04	4.21E+04	-3.95E+04	4.17E+04
L4	-3.99E+04	4.21E+04	-3.95E+04	4.17E+04
NF	—	—	—	—
NS	-3.46E+04	3.66E+04	-3.42E+04	3.62E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-207. Time history of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

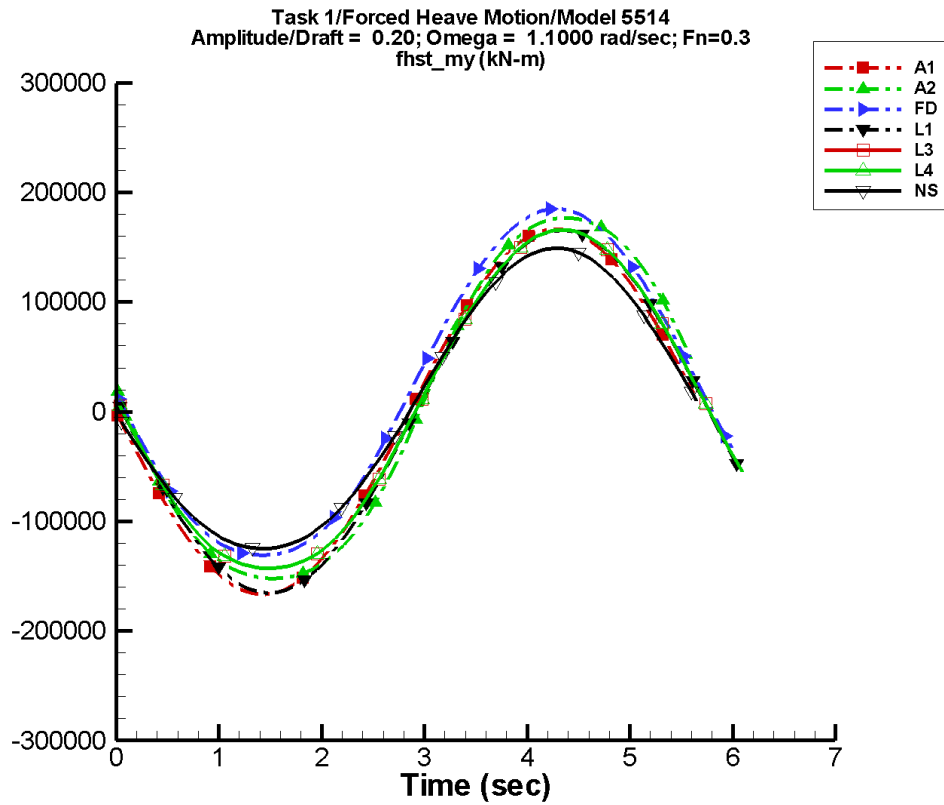
Table B–413. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	8.39E-02	8.34E+04	180	0.140	167
A2	2.82E+03	9.55E+04	174	2.27E+03	-105
FD	1.76E+04	8.32E+04	-180	772.	-90
L1	-0.111	8.27E+04	176	1.80E-02	-101
L3	1.49E+03	8.14E+04	176	817.	-98
L4	1.49E+03	8.14E+04	176	817.	-98
NF	—	—	—	—	—
NS	1.79E+03	7.06E+04	180	1.77E+03	-90

Table B–414. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-8.34E+04	8.33E+04	-8.14E+04	8.08E+04
A2	-8.93E+04	9.89E+04	-8.67E+04	9.61E+04
FD	-6.46E+04	1.01E+05	-6.21E+04	9.86E+04
L1	-8.27E+04	8.27E+04	-8.18E+04	8.18E+04
L3	-7.89E+04	8.35E+04	-7.80E+04	8.26E+04
L4	-7.89E+04	8.35E+04	-7.80E+04	8.26E+04
NF	—	—	—	—
NS	-6.69E+04	7.38E+04	-6.63E+04	7.31E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-208. Time history of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

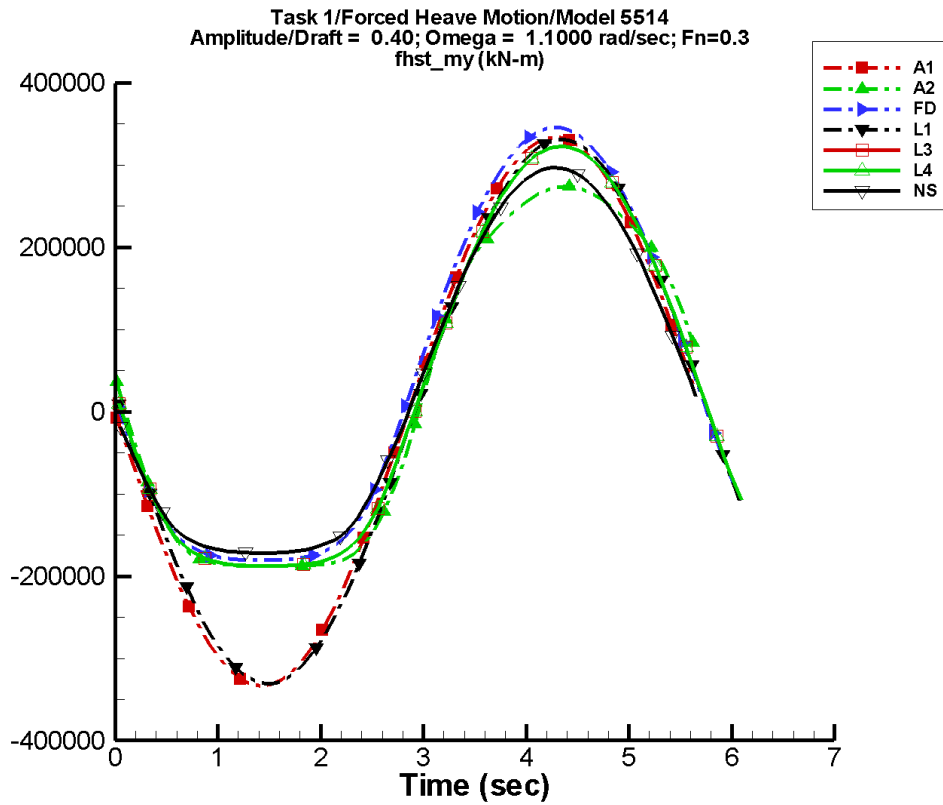
Table B–415. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	0.173	1.67E+05	180	0.283	167
A2	6.95E+03	1.72E+05	174	6.57E+03	-108
FD	2.10E+04	1.61E+05	-180	5.57E+03	-89
L1	-0.240	1.65E+05	176	2.30E-02	-16
L3	5.13E+03	1.57E+05	176	5.94E+03	-98
L4	5.13E+03	1.57E+05	176	5.94E+03	-98
NF	—	—	—	—	—
NS	6.18E+03	1.38E+05	180	5.92E+03	-90

Table B–416. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.67E+05	1.67E+05	-1.63E+05	1.62E+05
A2	-1.52E+05	1.77E+05	-1.49E+05	1.73E+05
FD	-1.31E+05	1.85E+05	-1.28E+05	1.80E+05
L1	-1.65E+05	1.65E+05	-1.64E+05	1.64E+05
L3	-1.43E+05	1.66E+05	-1.42E+05	1.64E+05
L4	-1.43E+05	1.66E+05	-1.42E+05	1.64E+05
NF	—	—	—	—
NS	-1.25E+05	1.49E+05	-1.24E+05	1.48E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-209. Time history of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

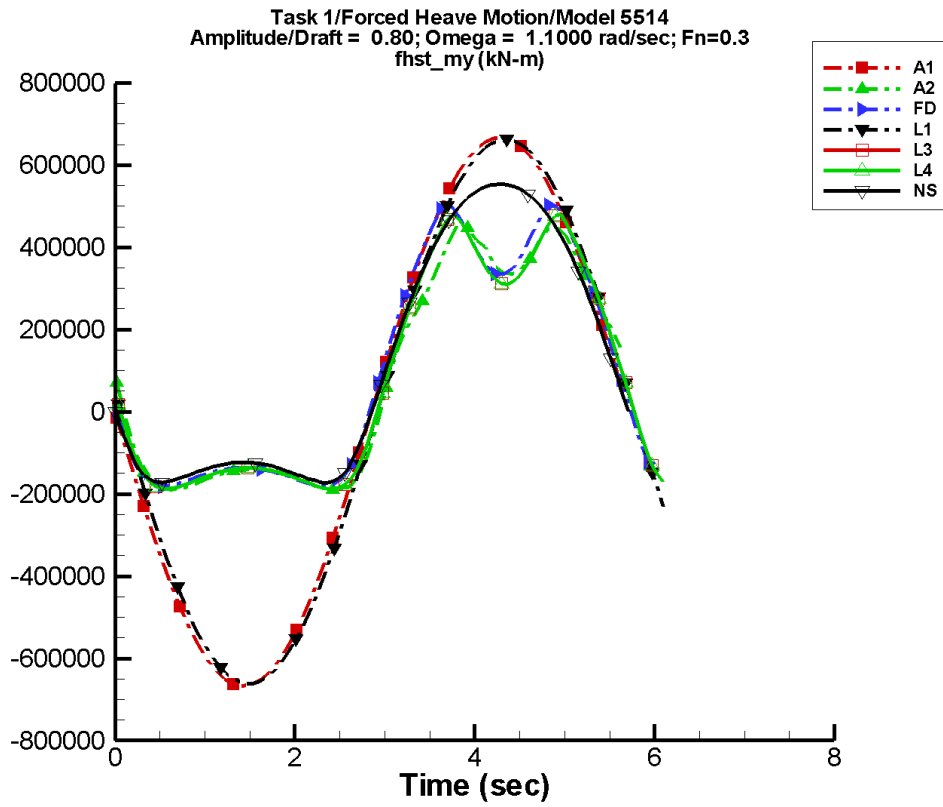
Table B–417. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	0.347	3.34E+05	180	0.565	167
A2	2.02E+04	2.57E+05	174	2.36E+04	-109
FD	4.63E+04	2.79E+05	-180	3.83E+04	-89
L1	-0.473	3.31E+05	176	6.65E-02	177
L3	3.05E+04	2.71E+05	176	3.93E+04	-98
L4	3.05E+04	2.71E+05	176	3.93E+04	-98
NF	—	—	—	—	—
NS	2.98E+04	2.46E+05	180	3.18E+04	-90

Table B–418. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-3.34E+05	3.33E+05	-3.26E+05	3.23E+05
A2	-1.88E+05	2.74E+05	-1.90E+05	2.66E+05
FD	-1.80E+05	3.46E+05	-1.79E+05	3.36E+05
L1	-3.31E+05	3.31E+05	-3.27E+05	3.27E+05
L3	-1.88E+05	3.23E+05	-1.87E+05	3.19E+05
L4	-1.88E+05	3.23E+05	-1.87E+05	3.19E+05
NF	—	—	—	—
NS	-1.72E+05	2.97E+05	-1.72E+05	2.94E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-210. Time history of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

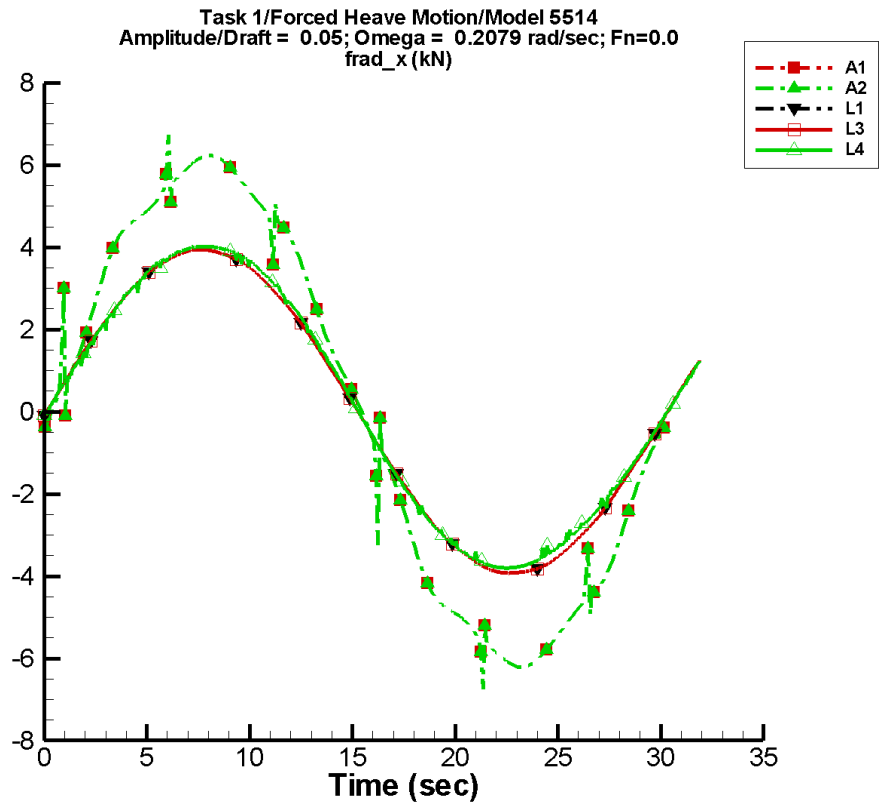
Table B–419. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	0.665	6.67E+05	180	1.13	167
A2	7.56E+04	3.33E+05	175	7.25E+04	-106
FD	9.38E+04	3.49E+05	-180	7.73E+04	-89
L1	-0.835	6.62E+05	176	0.146	-105
L3	7.86E+04	3.35E+05	176	8.01E+04	-98
L4	7.86E+04	3.35E+05	176	8.01E+04	-98
NF	—	—	—	—	—
NS	1.15E+05	3.75E+05	180	1.10E+05	-90

Table B–420. Minimum and maximum of M_y^{hst} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-6.67E+05	6.67E+05	-6.51E+05	6.46E+05
A2	-1.89E+05	4.60E+05	-1.78E+05	3.95E+05
FD	-1.82E+05	5.04E+05	-1.71E+05	4.33E+05
L1	-6.62E+05	6.62E+05	-6.54E+05	6.54E+05
L3	-1.88E+05	4.81E+05	-1.84E+05	4.44E+05
L4	-1.88E+05	4.81E+05	-1.84E+05	4.44E+05
NF	—	—	—	—
NS	-1.73E+05	5.53E+05	-1.70E+05	5.51E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-211. Time history of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

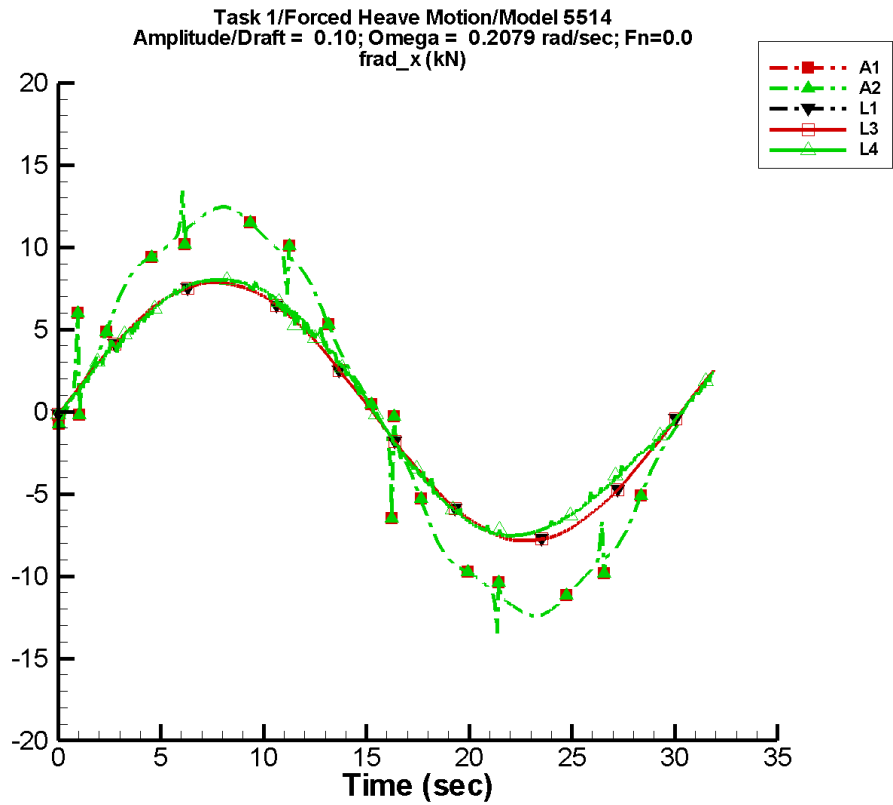
Table B–421. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-2.91E-03	6.08	-3	4.86E-03	147
A2	-2.91E-03	6.08	-3	4.86E-03	147
FD	—	—	—	—	—
L1	7.53E-03	3.93	-2	5.39E-03	84
L3	7.53E-03	3.93	-2	5.39E-03	84
L4	8.04E-02	3.91	-2	0.111	-156
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–422. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-6.74	6.73	-6.19	6.22
A2	-6.74	6.73	-6.19	6.22
FD	—	—	—	—
L1	-3.93	3.95	-3.92	3.94
L3	-3.93	3.95	-3.92	3.94
L4	-3.80	4.02	-3.80	4.02
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-212. Time history of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

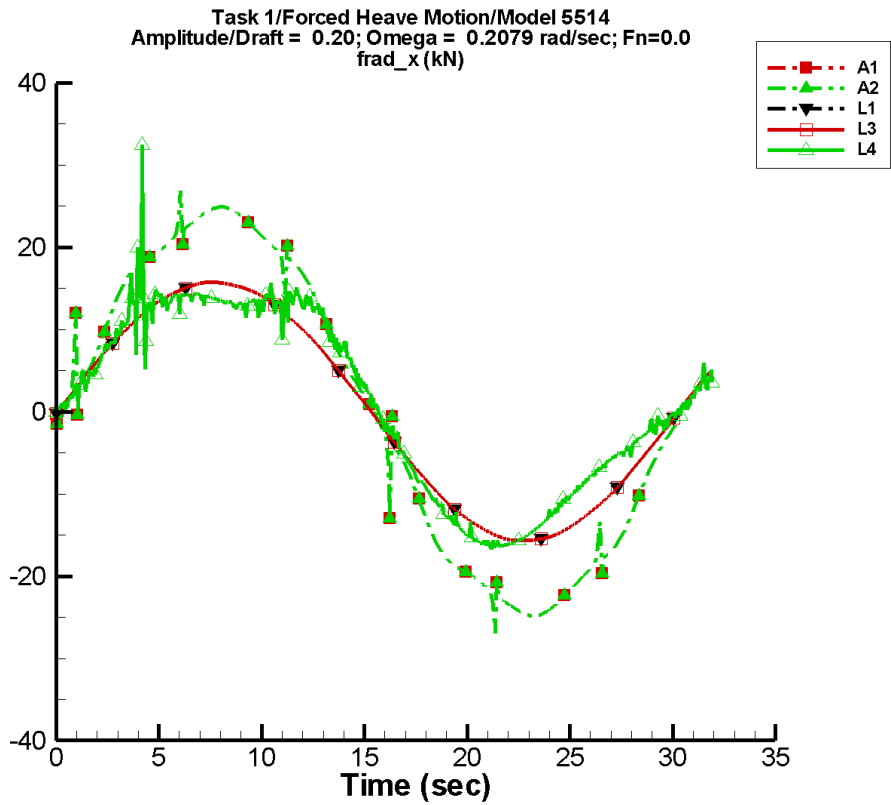
Table B–423. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-5.80E-03	12.1	-3	9.70E-03	147
A2	-5.80E-03	12.1	-3	9.70E-03	147
FD	—	—	—	—	—
L1	3.00E-02	7.86	-2	2.57E-02	88
L3	3.00E-02	7.86	-2	2.57E-02	88
L4	0.233	7.72	-1	0.380	-171
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–424. Minimum and maximum of of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-13.5	13.4	-12.4	12.4
A2	-13.5	13.4	-12.4	12.4
FD	—	—	—	—
L1	-7.84	7.88	-7.83	7.88
L3	-7.84	7.88	-7.83	7.88
L4	-7.55	8.05	-7.53	8.02
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-213. Time history of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

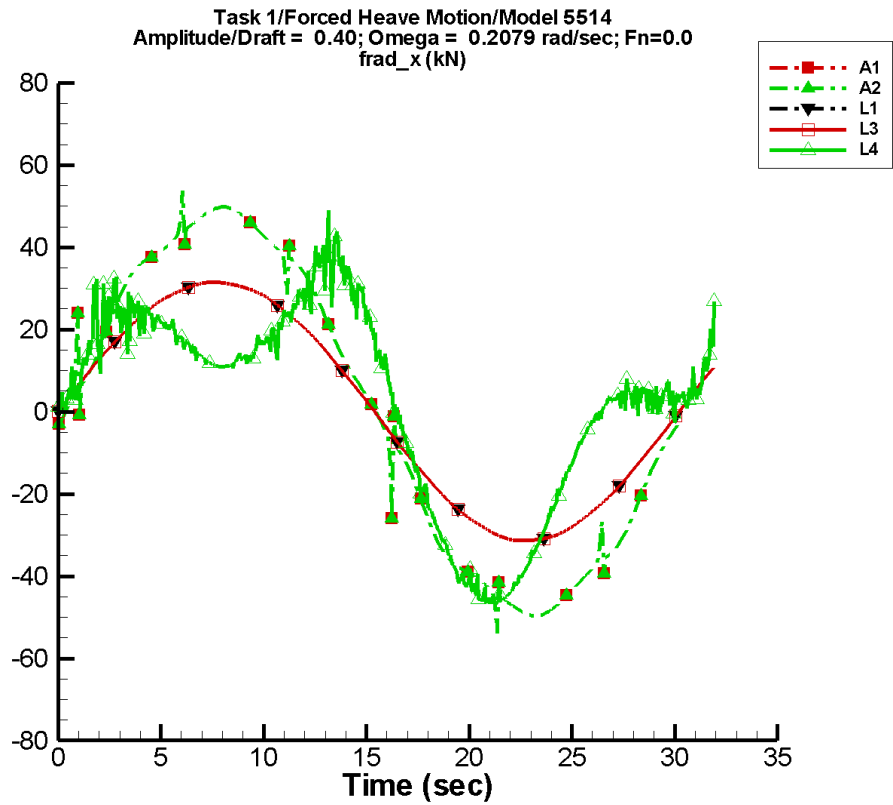
Table B–425. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-1.16E-02	24.3	-3	1.94E-02	147
A2	-1.16E-02	24.3	-3	1.94E-02	147
FD	—	—	—	—	—
L1	0.120	15.7	-2	0.112	90
L3	0.120	15.7	-2	0.112	90
L4	0.867	15.1	0	1.85	139
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–426. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-26.9	26.9	-24.7	24.8
A2	-26.9	26.9	-24.7	24.8
FD	—	—	—	—
L1	-15.7	15.8	-15.7	15.8
L3	-15.7	15.8	-15.7	15.8
L4	-16.7	32.4	-16.2	15.4
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-214. Time history of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

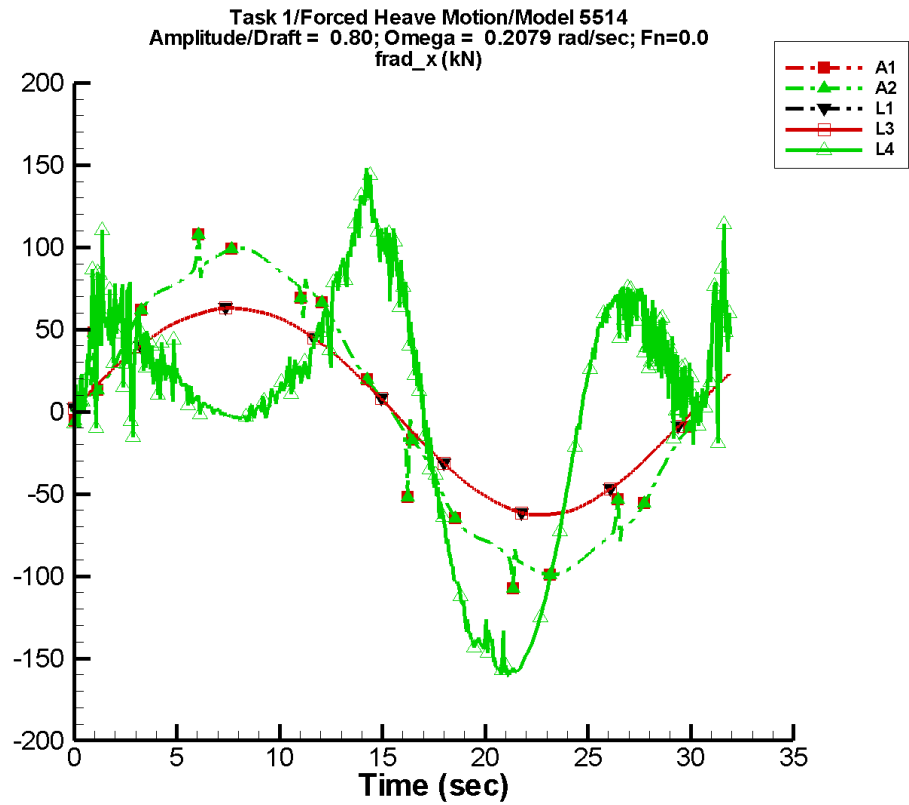
Table B–427. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-2.32E-02	48.5	-3	3.88E-02	147
A2	-2.32E-02	48.5	-3	3.88E-02	147
FD	—	—	—	—	—
L1	0.480	31.4	-2	0.464	90
L3	0.480	31.4	-2	0.464	90
L4	1.92	27.4	4	15.1	116
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–428. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-53.9	53.8	-49.5	49.7
A2	-53.9	53.8	-49.5	49.7
FD	—	—	—	—
L1	-31.4	31.5	-31.3	31.5
L3	-31.4	31.5	-31.3	31.5
L4	-46.7	63.2	-46.0	38.0
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-215. Time history of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

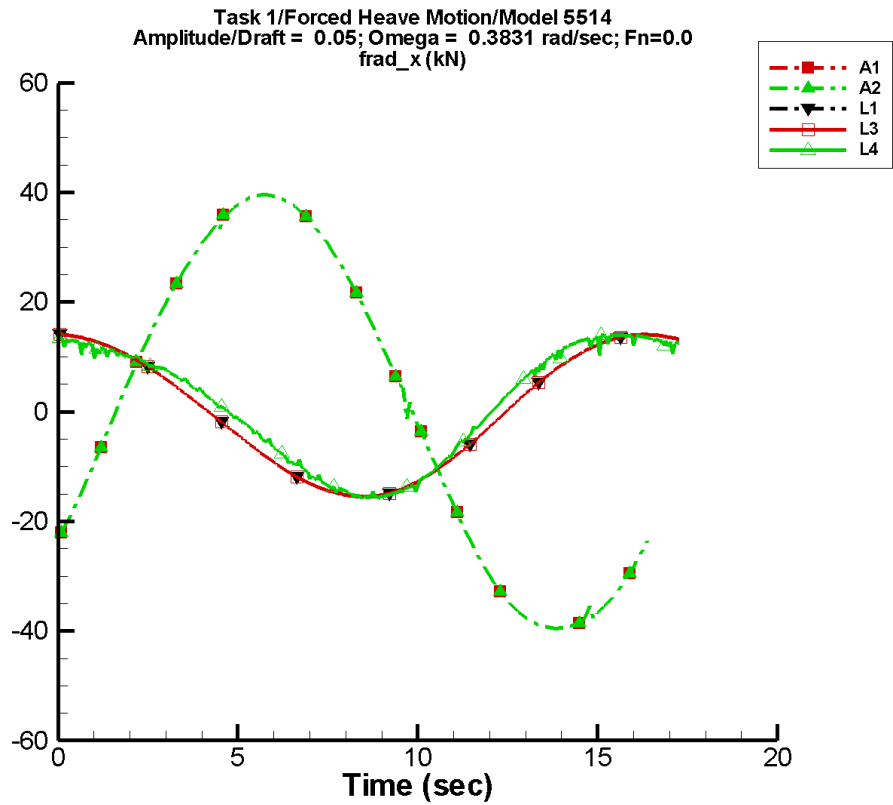
Table B–429. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-4.64E-02	97.1	-3	7.76E-02	147
A2	-4.64E-02	97.1	-3	7.76E-02	147
FD	—	—	—	—	—
L1	1.92	62.9	-2	1.89	91
L3	1.92	62.9	-2	1.89	91
L4	1.95	52.9	17	67.2	120
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–430. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-108.	108.	-98.9	99.3
A2	-108.	108.	-98.9	99.3
FD	—	—	—	—
L1	-62.7	63.1	-62.7	63.0
L3	-62.7	63.1	-62.7	63.0
L4	-161.	148.	-158.	134.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-216. Time history of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

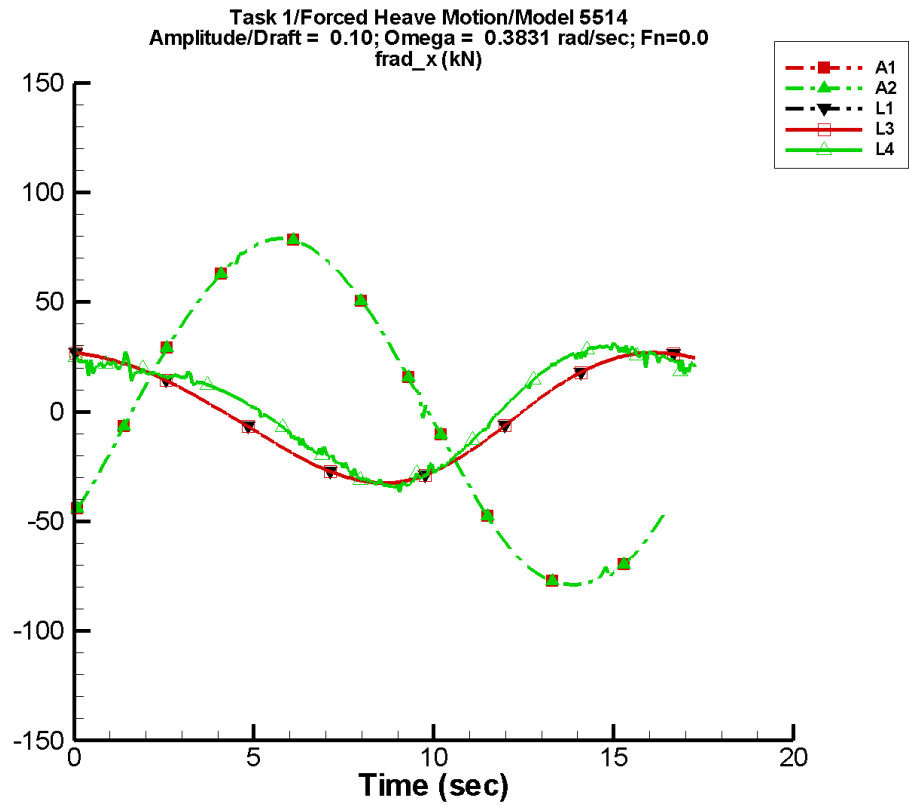
Table B-431. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-0.111	39.6	-36	0.200	21
A2	-0.111	39.6	-36	0.200	21
FD	—	—	—	—	—
L1	-0.446	14.7	87	0.541	-156
L3	-0.446	14.7	87	0.541	-156
L4	0.744	14.3	87	2.39	-134
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-432. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-39.5	39.6	-39.4	39.4
A2	-39.5	39.6	-39.4	39.4
FD	—	—	—	—
L1	-15.5	14.1	-15.5	14.1
L3	-15.5	14.1	-15.5	14.1
L4	-15.8	14.0	-15.5	13.9
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-217. Time history of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

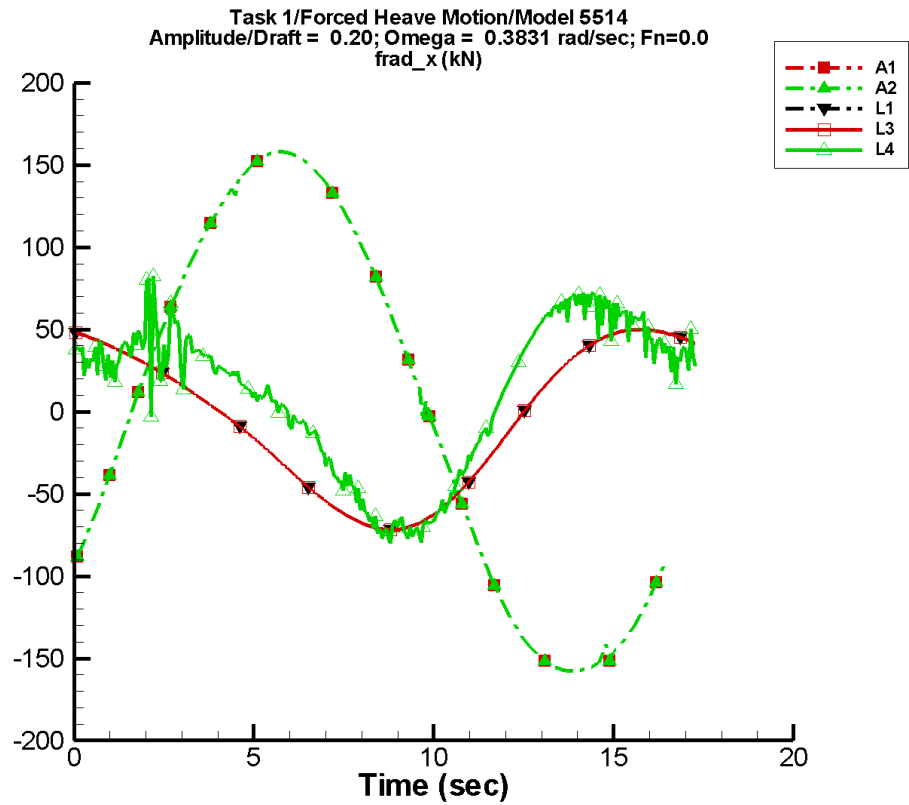
Table B-433. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-0.222	79.1	-36	0.399	21
A2	-0.222	79.1	-36	0.399	21
FD	—	—	—	—	—
L1	-1.75	29.4	87	2.19	-155
L3	-1.75	29.4	87	2.19	-155
L4	2.64	28.4	88	8.42	-134
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-434. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-78.9	79.0	-78.7	78.7
A2	-78.9	79.0	-78.7	78.7
FD	—	—	—	—
L1	-32.5	26.9	-32.5	26.9
L3	-32.5	26.9	-32.5	26.9
L4	-36.7	31.5	-34.0	29.7
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-218. Time history of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

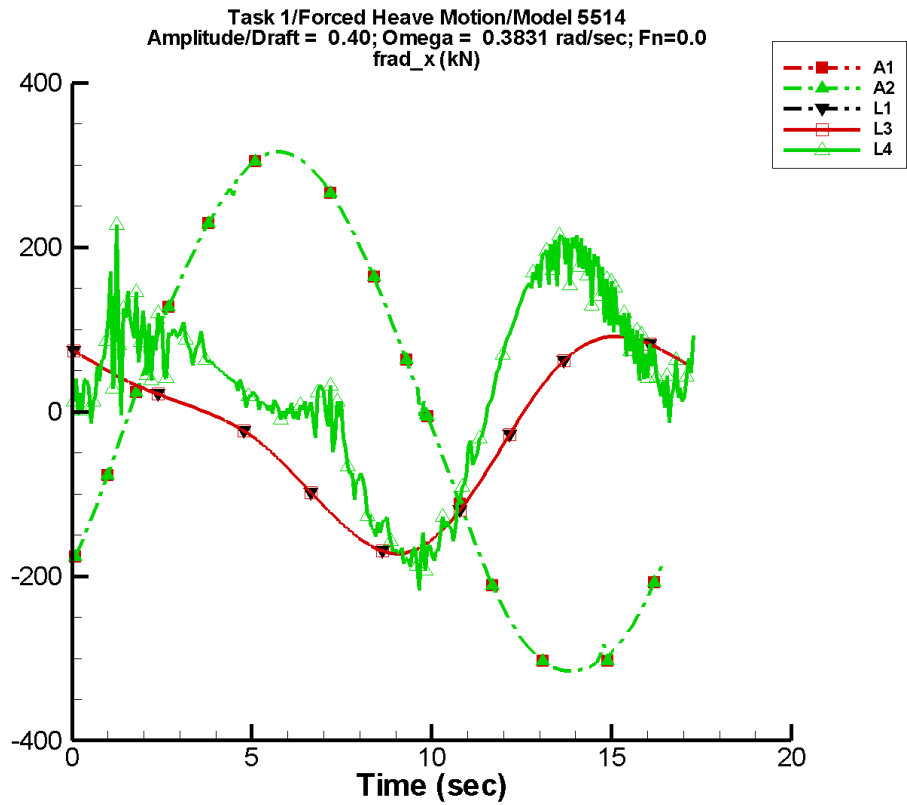
Table B-435. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-0.443	158.	-36	0.799	21
A2	-0.443	158.	-36	0.799	21
FD	—	—	—	—	—
L1	-6.95	58.9	87	8.81	-155
L3	-6.95	58.9	87	8.81	-155
L4	9.98	55.9	85	27.8	-132
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-436. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-158.	158.	-157.	157.
A2	-158.	158.	-157.	157.
FD	—	—	—	—
L1	-71.9	50.1	-71.8	50.0
L3	-71.9	50.1	-71.8	50.0
L4	-80.1	82.5	-73.6	67.7
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-219. Time history of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

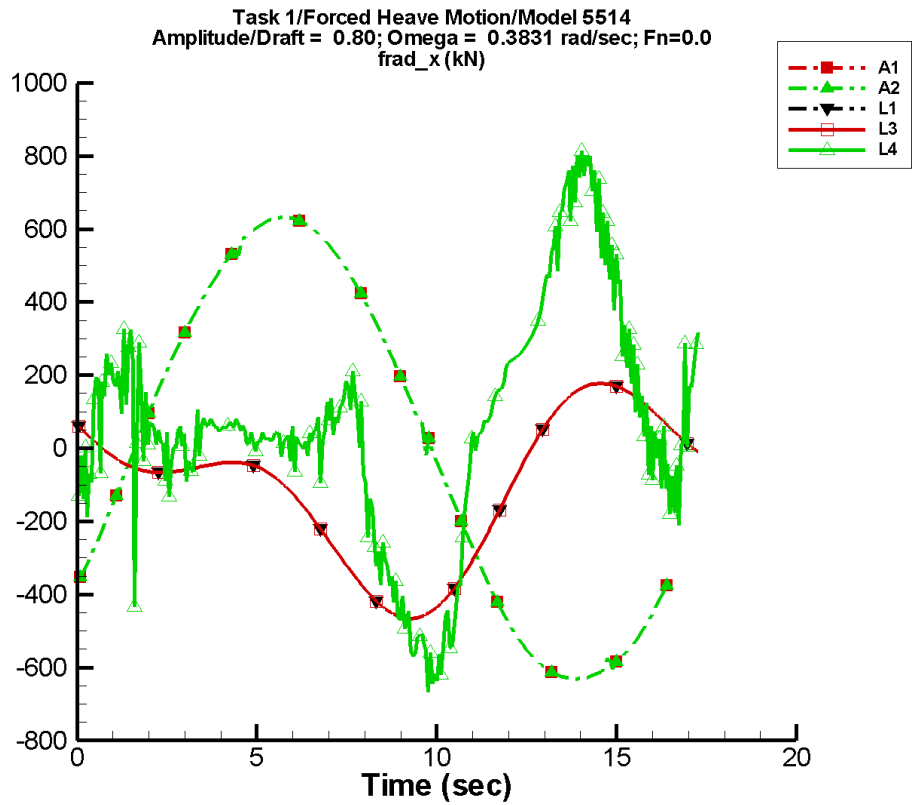
Table B-437. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-0.886	316.	-36	1.60	21
A2	-0.886	316.	-36	1.60	21
FD	—	—	—	—	—
L1	-27.7	118.	87	35.3	-155
L3	-27.7	118.	87	35.3	-155
L4	29.9	113.	88	77.7	-136
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-438. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-316.	316.	-315.	315.
A2	-316.	316.	-315.	315.
FD	—	—	—	—
L1	-173.	91.7	-172.	91.4
L3	-173.	91.7	-172.	91.4
L4	-217.	227.	-179.	197.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-220. Time history of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

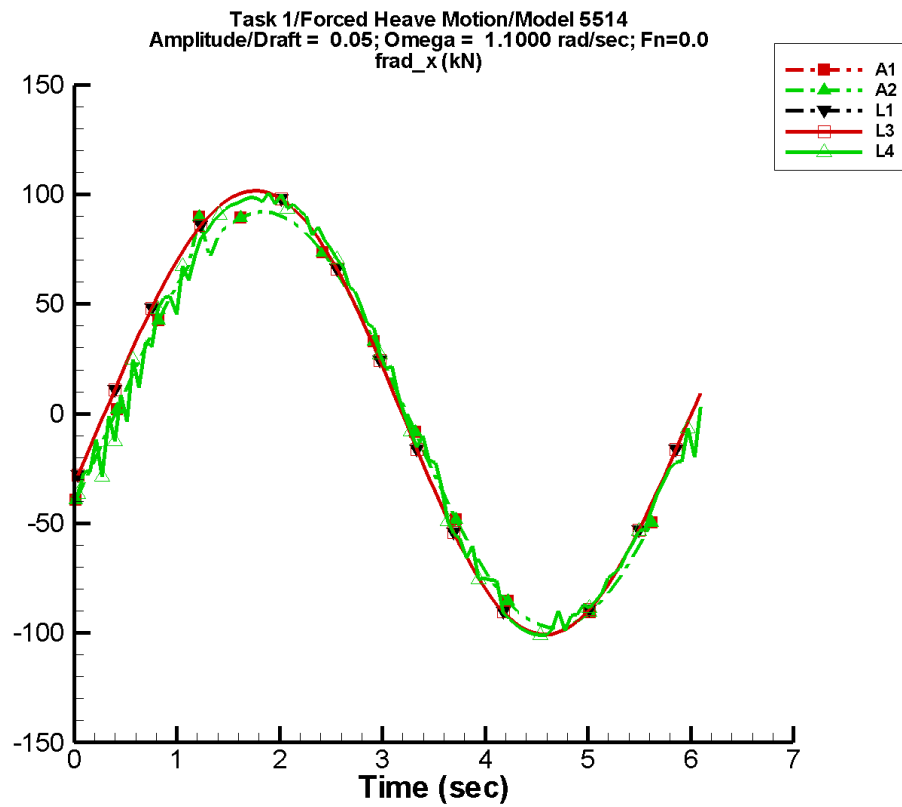
Table B-439. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-1.77	633.	-36	3.20	21
A2	-1.77	633.	-36	3.20	21
FD	—	—	—	—	—
L1	-111.	235.	87	142.	-155
L3	-111.	235.	87	142.	-155
L4	71.8	262.	105	268.	-153
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-440. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-631.	632.	-629.	629.
A2	-631.	632.	-629.	629.
FD	—	—	—	—
L1	-466.	177.	-465.	177.
L3	-466.	177.	-465.	177.
L4	-667.	814.	-596.	769.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-221. Time history of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

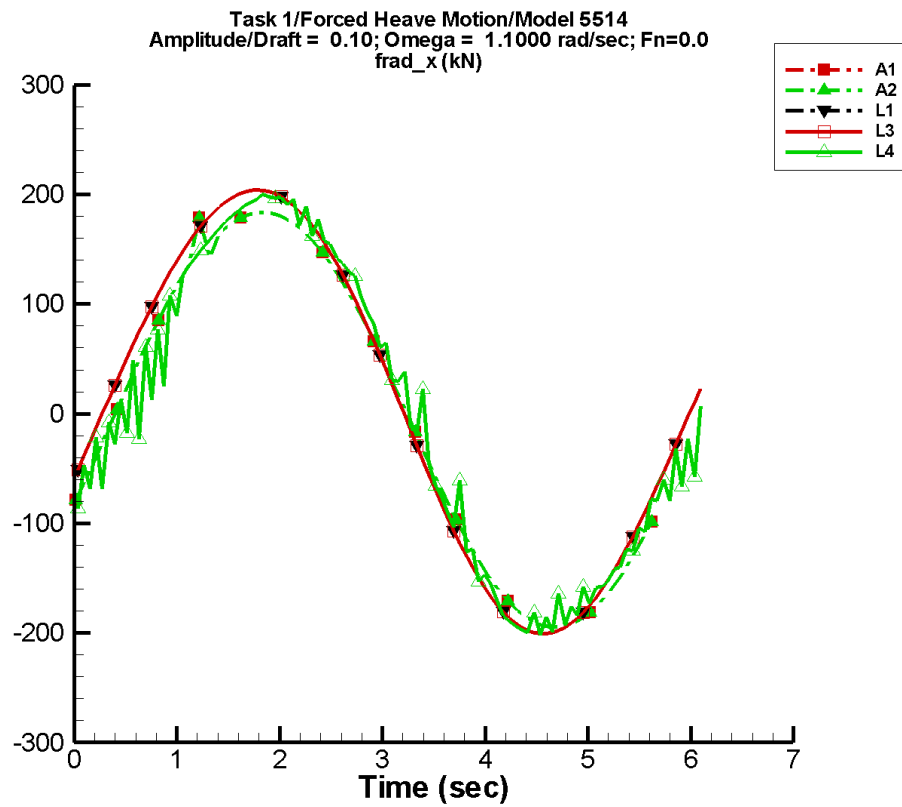
Table B-441. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-1.40	95.2	-24	1.56	30
A2	-1.40	95.2	-24	1.56	30
FD	—	—	—	—	—
L1	1.32	101.	-20	1.40	95
L3	1.32	101.	-20	1.40	95
L4	-5.52E-02	98.1	-24	3.76	149
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-442. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-97.5	92.0	-94.4	89.2
A2	-97.5	92.0	-94.4	89.2
FD	—	—	—	—
L1	-101.	102.	-99.6	101.
L3	-101.	102.	-99.6	101.
L4	-101.	101.	-98.6	97.9
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-222. Time history of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

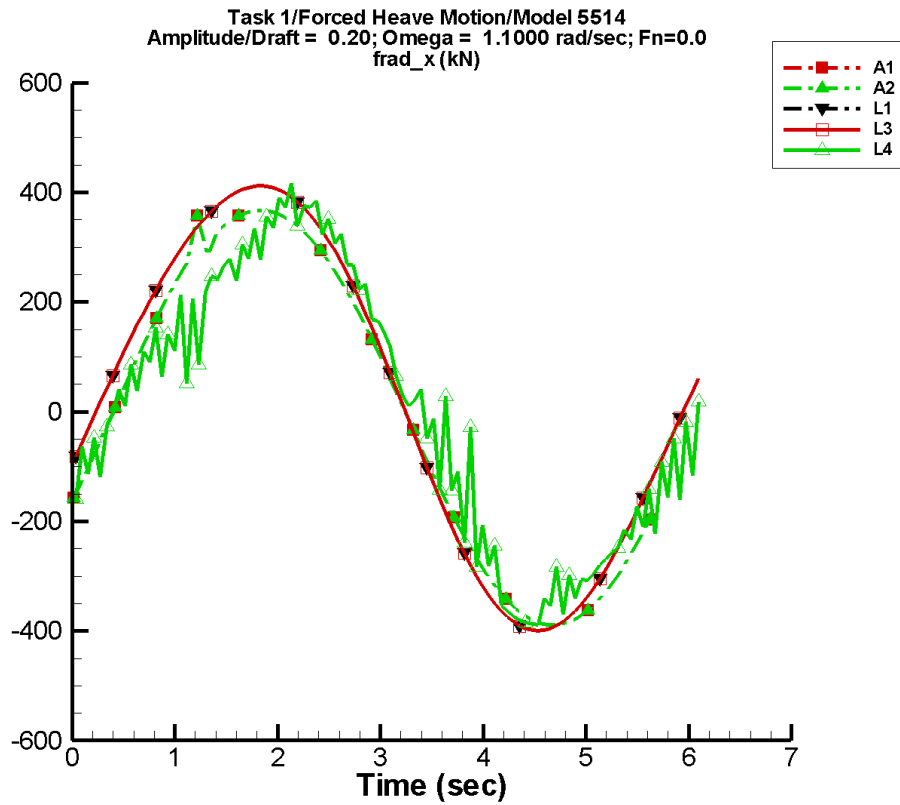
Table B-443. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-2.79	190.	-24	3.11	30
A2	-2.79	190.	-24	3.11	30
FD	—	—	—	—	—
L1	5.05	202.	-20	5.64	99
L3	5.05	202.	-20	5.64	99
L4	-0.913	192.	-27	12.7	151
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-444. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-195.	184.	-188.	178.
A2	-195.	184.	-188.	178.
FD	—	—	—	—
L1	-201.	204.	-198.	202.
L3	-201.	204.	-198.	202.
L4	-202.	200.	-192.	195.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-223. Time history of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

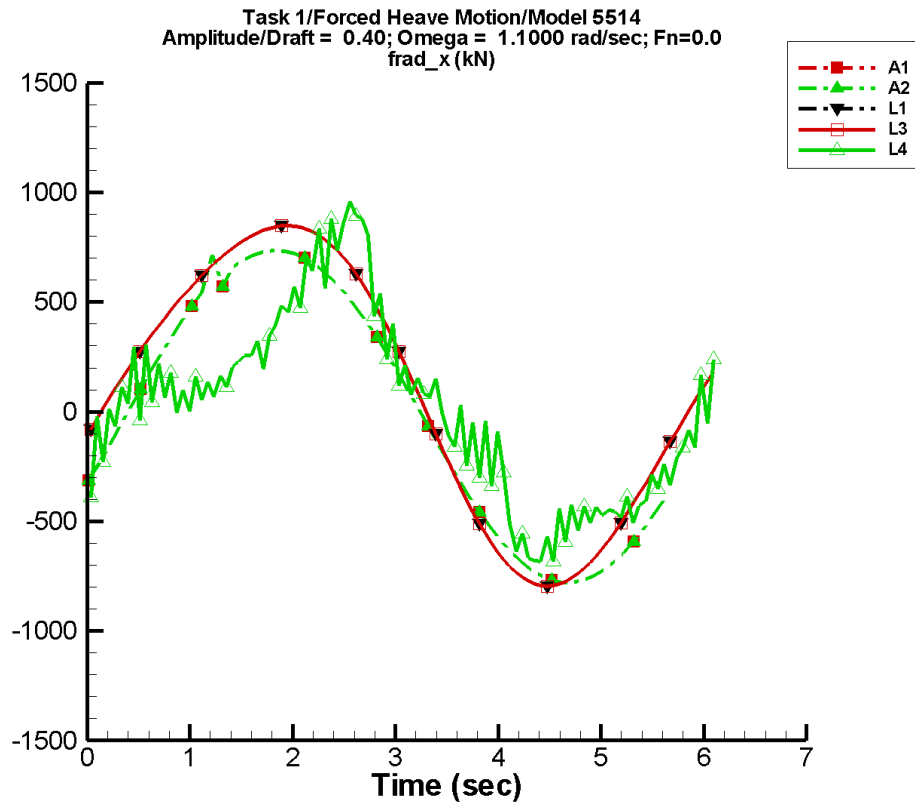
Table B-445. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-5.58	380.	-24	6.22	30
A2	-5.58	380.	-24	6.22	30
FD	—	—	—	—	—
L1	19.8	404.	-20	22.7	101
L3	19.8	404.	-20	22.7	101
L4	7.11	344.	-32	45.5	106
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-446. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-389.	367.	-377.	356.
A2	-389.	367.	-377.	356.
FD	—	—	—	—
L1	-400.	412.	-394.	408.
L3	-400.	412.	-394.	408.
L4	-388.	417.	-368.	376.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-224. Time history of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

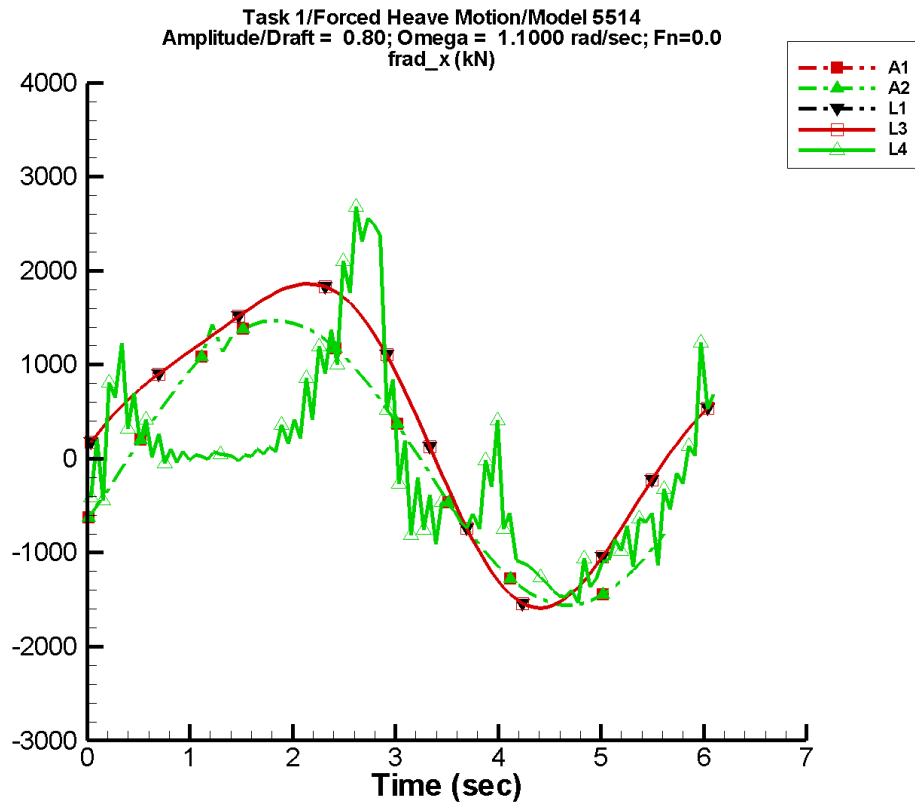
Table B-447. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-11.2	761.	-24	12.4	30
A2	-11.2	761.	-24	12.4	30
FD	—	—	—	—	—
L1	78.2	807.	-20	91.2	102
L3	78.2	807.	-20	91.2	102
L4	29.5	545.	-41	204.	98
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-448. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-779.	735.	-754.	713.
A2	-779.	735.	-754.	713.
FD	—	—	—	—
L1	-795.	849.	-783.	841.
L3	-795.	849.	-783.	841.
L4	-681.	1.02E+03	-614.	822.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-225. Time history of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

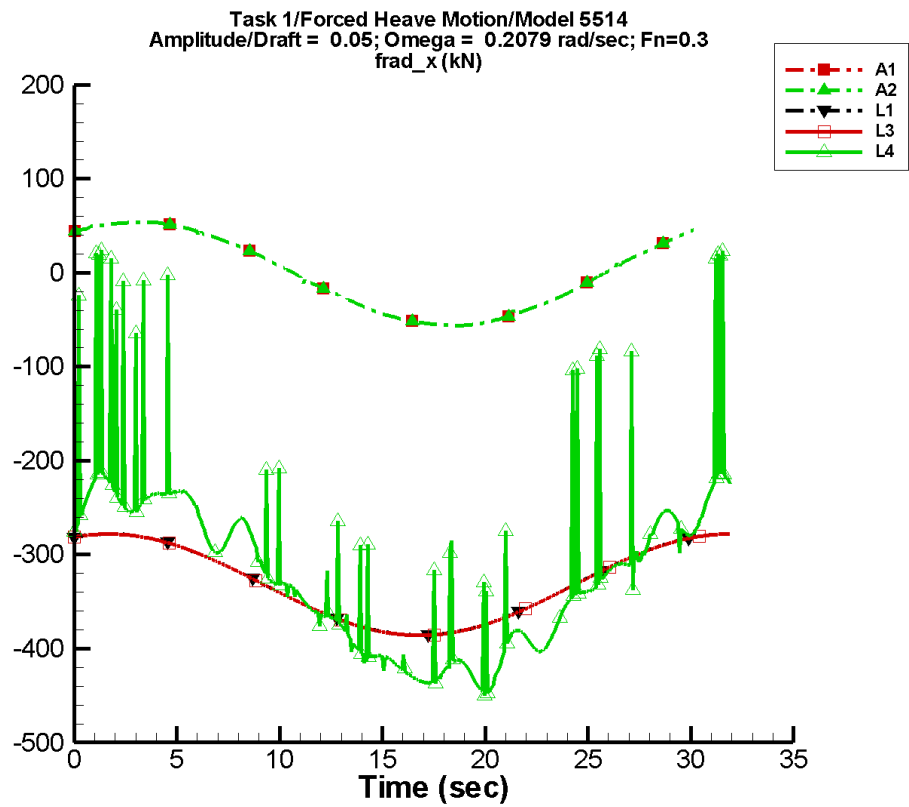
Table B-449. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-22.3	1.52E+03	-24	24.9	30
A2	-22.3	1.52E+03	-24	24.9	30
FD	—	—	—	—	—
L1	311.	1.61E+03	-20	366.	103
L3	311.	1.61E+03	-20	366.	103
L4	-25.2	982.	-41	721.	85
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-450. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-1.56E+03	1.47E+03	-1.51E+03	1.43E+03
A2	-1.56E+03	1.47E+03	-1.51E+03	1.43E+03
FD	—	—	—	—
L1	-1.59E+03	1.86E+03	-1.56E+03	1.84E+03
L3	-1.59E+03	1.86E+03	-1.56E+03	1.84E+03
L4	-1.53E+03	2.78E+03	-1.40E+03	2.12E+03
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-226. Time history of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

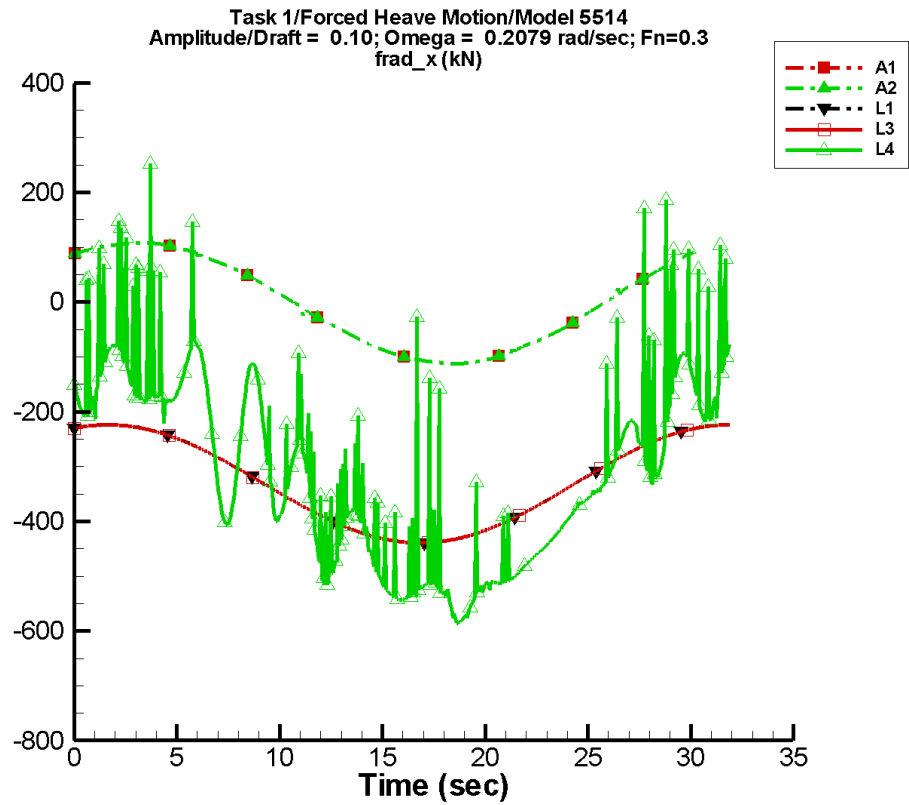
Table B–451. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-0.172	56.1	53	0.507	53
A2	-0.172	56.1	53	0.507	53
FD	—	—	—	—	—
L1	-332.	53.9	70	0.103	113
L3	-332.	53.9	70	0.102	113
L4	-323.	102.	59	5.24	79
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–452. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-56.1	58.5	-56.1	58.4
A2	-56.1	58.5	-56.1	58.4
FD	—	—	—	—
L1	-386.	-278.	-386.	-278.
L3	-386.	-278.	-386.	-278.
L4	-450.	24.1	-437.	-114.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-227. Time history of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

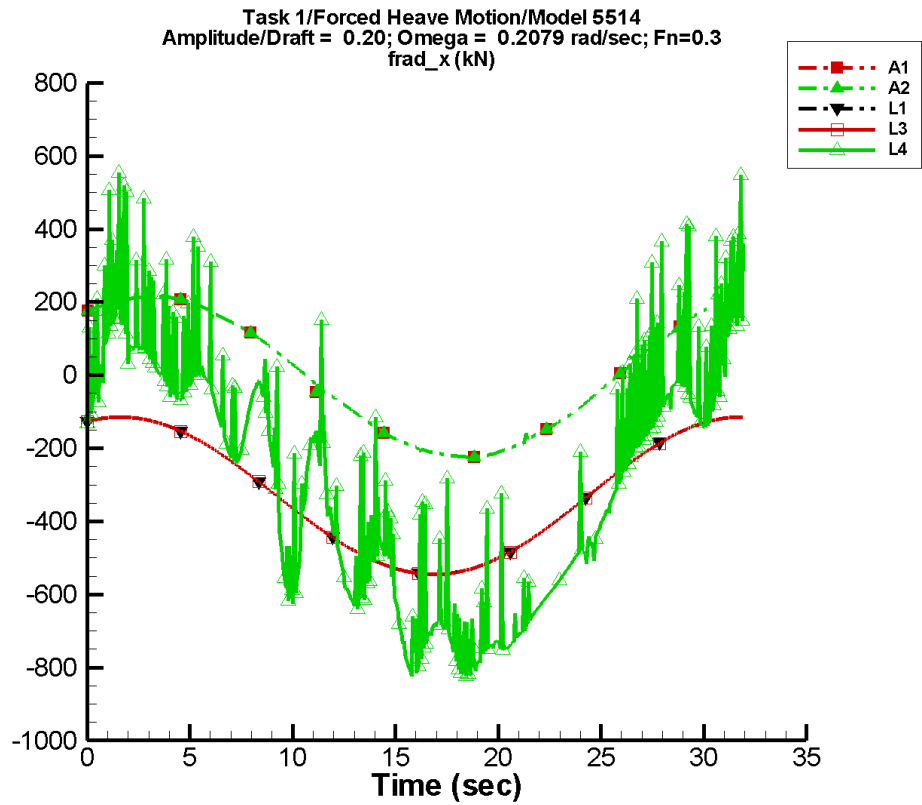
Table B-453. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-0.344	112.	53	1.01	53
A2	-0.344	112.	53	1.01	53
FD	—	—	—	—	—
L1	-332.	108.	70	0.407	113
L3	-332.	108.	70	0.406	113
L4	-315.	209.	55	25.0	97
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-454. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-112.	117.	-112.	117.
A2	-112.	117.	-112.	117.
FD	—	—	—	—
L1	-439.	-224.	-439.	-224.
L3	-439.	-224.	-439.	-224.
L4	-586.	252.	-581.	18.6
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-228. Time history of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

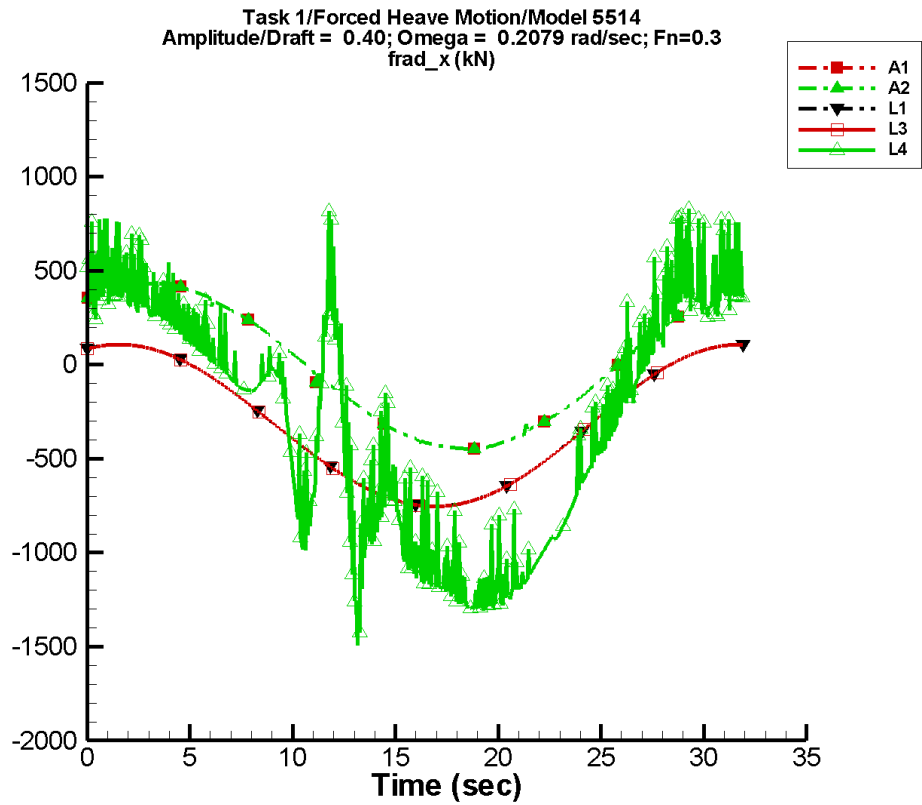
Table B–455. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-0.688	224.	53	2.03	53
A2	-0.688	224.	53	2.03	53
FD	—	—	—	—	—
L1	-330.	215.	70	1.63	113
L3	-331.	215.	70	1.63	113
L4	-305.	412.	57	66.0	109
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–456. Minimum and maximum of of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-224.	233.	-224.	233.
A2	-224.	233.	-224.	233.
FD	—	—	—	—
L1	-545.	-114.	-545.	-115.
L3	-545.	-115.	-545.	-115.
L4	-823.	555.	-778.	289.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-229. Time history of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

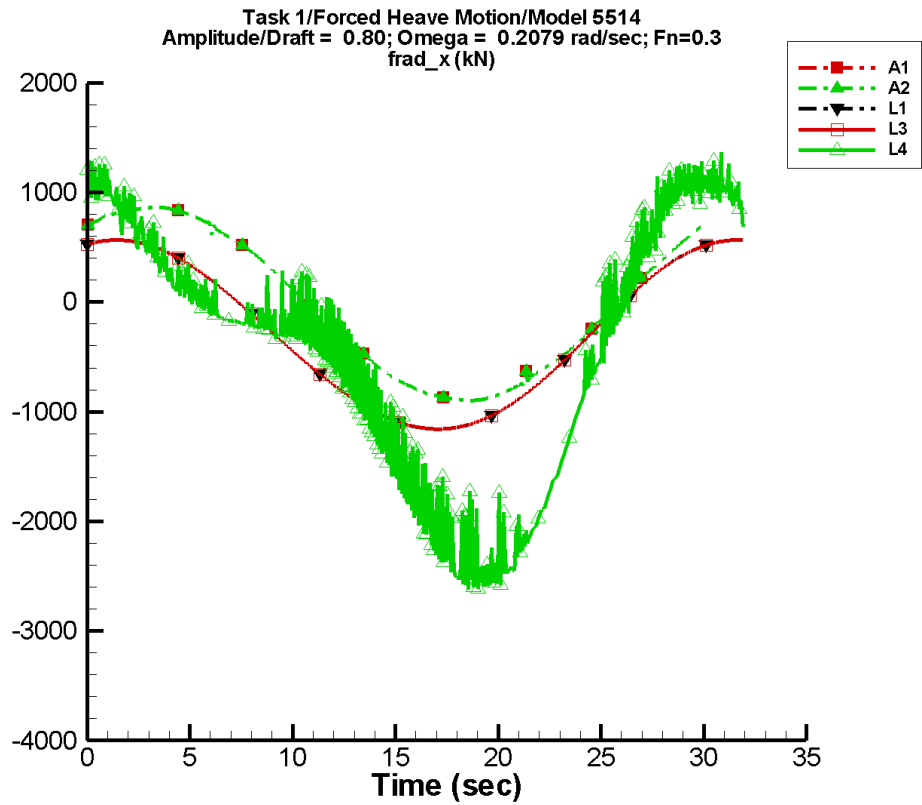
Table B–457. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-1.38	448.	53	4.05	53
A2	-1.38	448.	53	4.05	53
FD	—	—	—	—	—
L1	-326.	430.	70	6.51	113
L3	-326.	431.	70	6.51	113
L4	-322.	770.	56	222.	127
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–458. Minimum and maximum of of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-448.	467.	-448.	466.
A2	-448.	467.	-448.	466.
FD	—	—	—	—
L1	-754.	108.	-753.	107.
L3	-754.	108.	-754.	107.
L4	-1.49E+03	827.	-1.28E+03	558.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-230. Time history of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

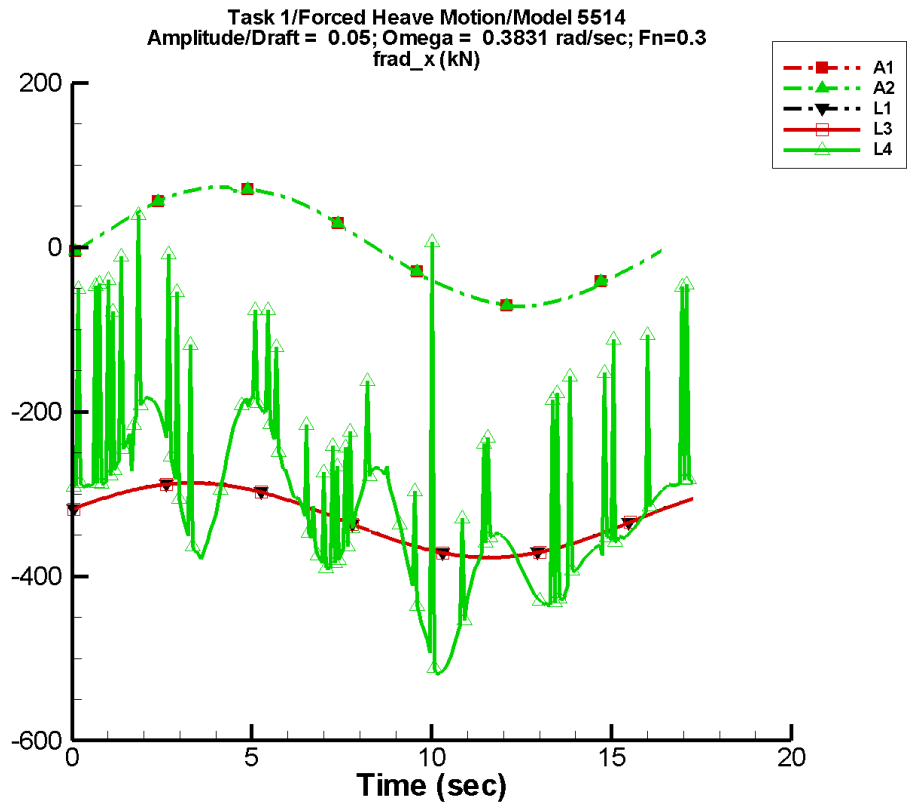
Table B–459. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-2.75	896.	53	8.10	53
A2	-2.75	896.	53	8.10	53
FD	—	—	—	—	—
L1	-308.	861.	70	26.1	113
L3	-308.	861.	70	26.1	113
L4	-509.	1.43E+03	58	656.	144
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B–460. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-897.	934.	-896.	933.
A2	-897.	934.	-896.	933.
FD	—	—	—	—
L1	-1.16E+03	566.	-1.16E+03	566.
L3	-1.16E+03	566.	-1.16E+03	566.
L4	-2.62E+03	1.36E+03	-2.50E+03	1.21E+03
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-231. Time history of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

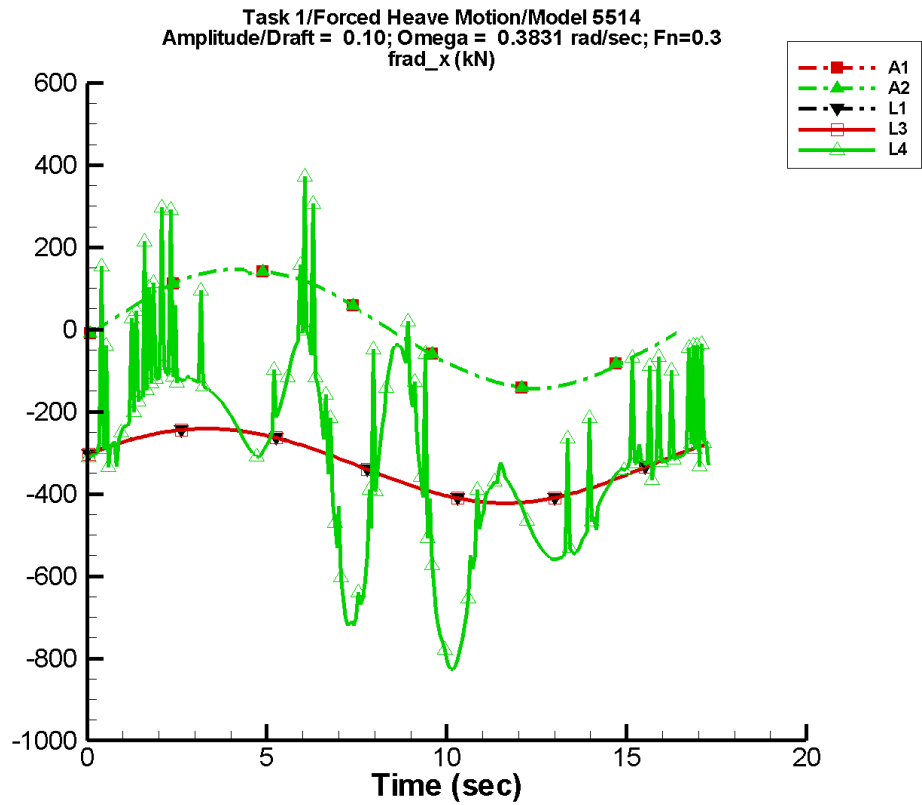
Table B-461. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	1.52	72.0	-4	0.422	163
A2	1.52	72.0	-4	0.422	163
FD	—	—	—	—	—
L1	-332.	45.3	16	0.326	78
L3	-332.	45.3	16	0.331	78
L4	-310.	92.2	21	14.6	71
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-462. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-71.8	73.5	-71.5	72.7
A2	-71.8	73.5	-71.5	72.7
FD	—	—	—	—
L1	-377.	-286.	-377.	-287.
L3	-377.	-287.	-377.	-287.
L4	-519.	39.3	-504.	-158.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-232. Time history of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

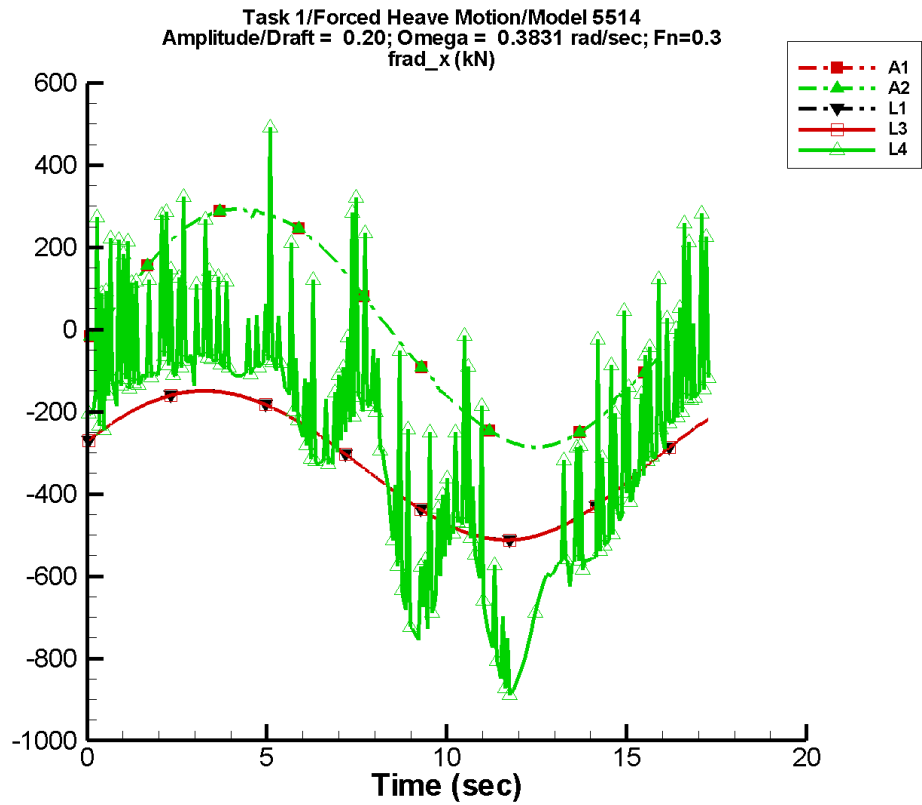
Table B-463. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	3.04	144.	-4	0.844	163
A2	3.04	144.	-4	0.844	163
FD	—	—	—	—	—
L1	-331.	90.5	16	1.31	78
L3	-331.	90.5	16	1.32	78
L4	-312.	202.	21	22.5	37
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-464. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-143.	147.	-143.	145.
A2	-143.	147.	-143.	145.
FD	—	—	—	—
L1	-422.	-241.	-422.	-241.
L3	-422.	-241.	-422.	-241.
L4	-827.	373.	-811.	71.8
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-233. Time history of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

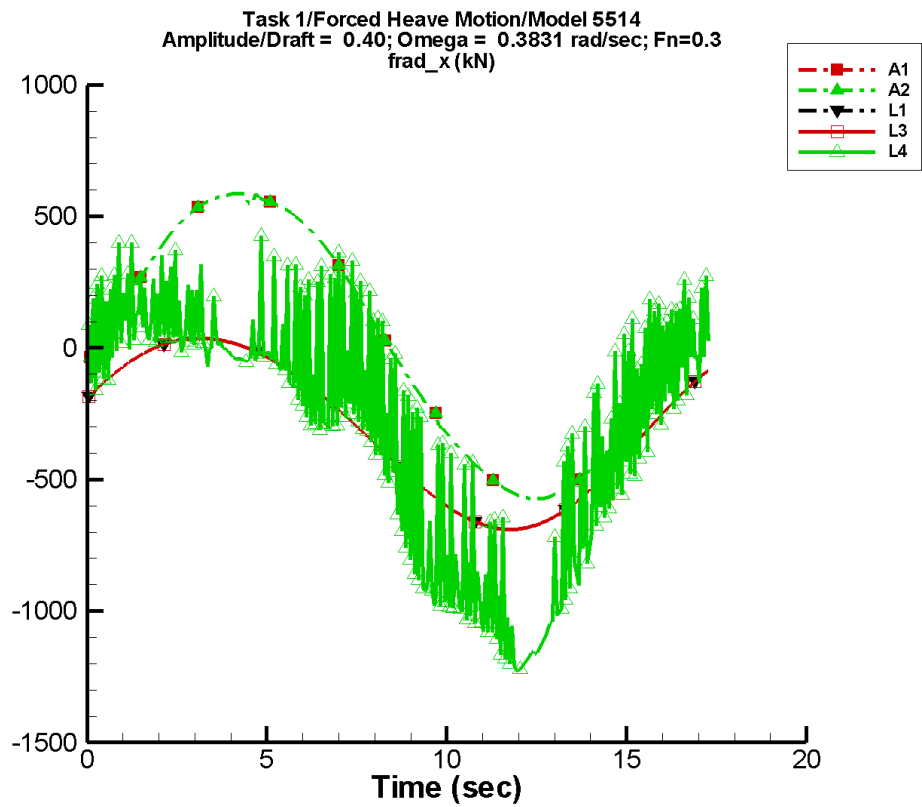
Table B-465. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	6.08	288.	-4	1.69	163
A2	6.08	288.	-4	1.69	163
FD	—	—	—	—	—
L1	-327.	181.	16	5.28	78
L3	-327.	181.	16	5.28	78
L4	-285.	328.	18	76.5	96
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-466. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-287.	294.	-285.	290.
A2	-287.	294.	-285.	290.
FD	—	—	—	—
L1	-512.	-149.	-512.	-150.
L3	-512.	-150.	-512.	-150.
L4	-888.	491.	-849.	28.3
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-234. Time history of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

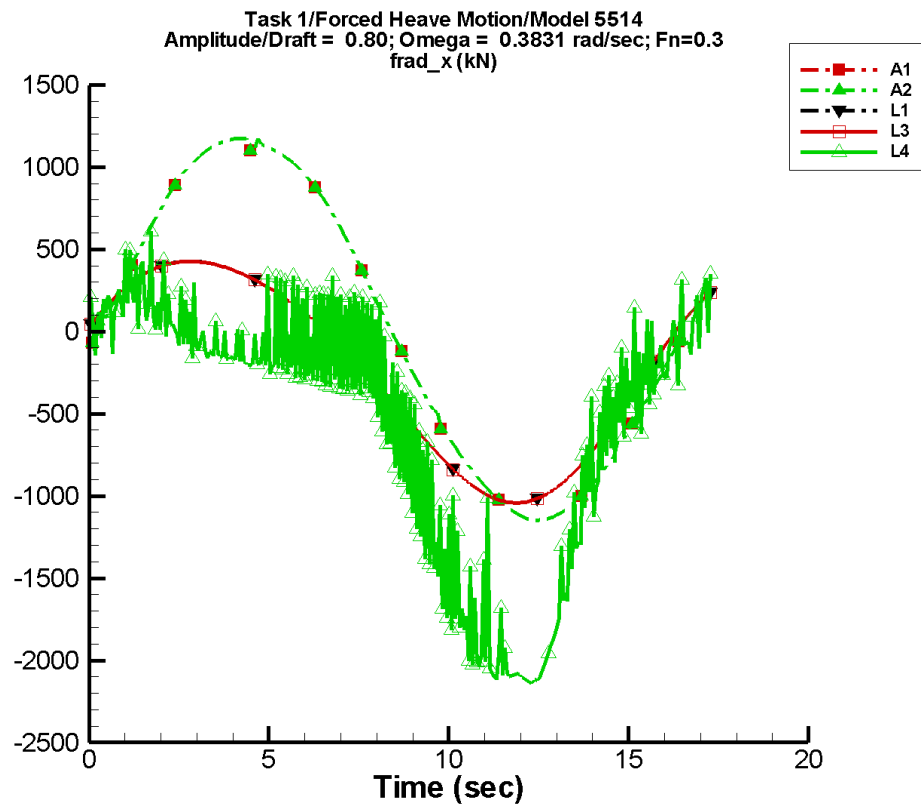
Table B-467. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	12.2	575.	-4	3.37	163
A2	12.2	575.	-4	3.37	163
FD	—	—	—	—	—
L1	-311.	362.	16	21.1	78
L3	-311.	362.	16	21.1	78
L4	-310.	554.	17	208.	106
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-468. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-574.	587.	-571.	581.
A2	-574.	587.	-571.	581.
FD	—	—	—	—
L1	-690.	37.1	-689.	36.4
L3	-690.	36.7	-689.	36.3
L4	-1.23E+03	447.	-1.20E+03	218.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-235. Time history of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

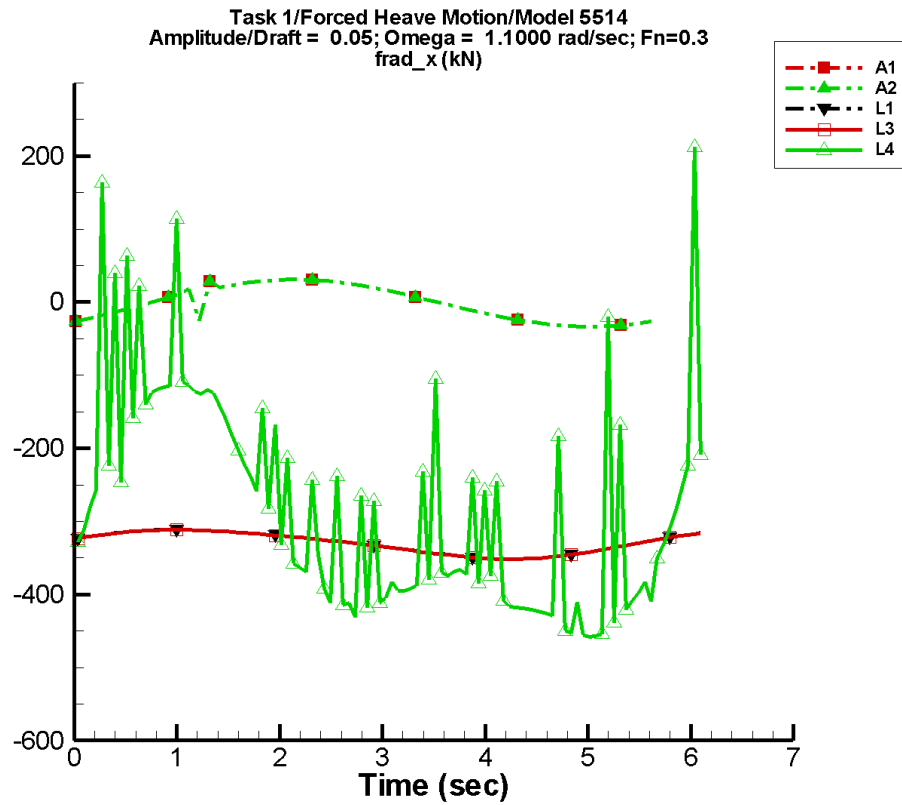
Table B-469. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	24.3	1.15E+03	-4	6.75	163
A2	24.3	1.15E+03	-4	6.75	163
FD	—	—	—	—	—
L1	-250.	724.	16	84.5	78
L3	-250.	724.	16	84.5	78
L4	-581.	936.	17	478.	112
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-470. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-1.15E+03	1.17E+03	-1.14E+03	1.16E+03
A2	-1.15E+03	1.17E+03	-1.14E+03	1.16E+03
FD	—	—	—	—
L1	-1.04E+03	427.	-1.04E+03	426.
L3	-1.04E+03	427.	-1.04E+03	426.
L4	-2.14E+03	607.	-2.12E+03	291.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-236. Time history of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

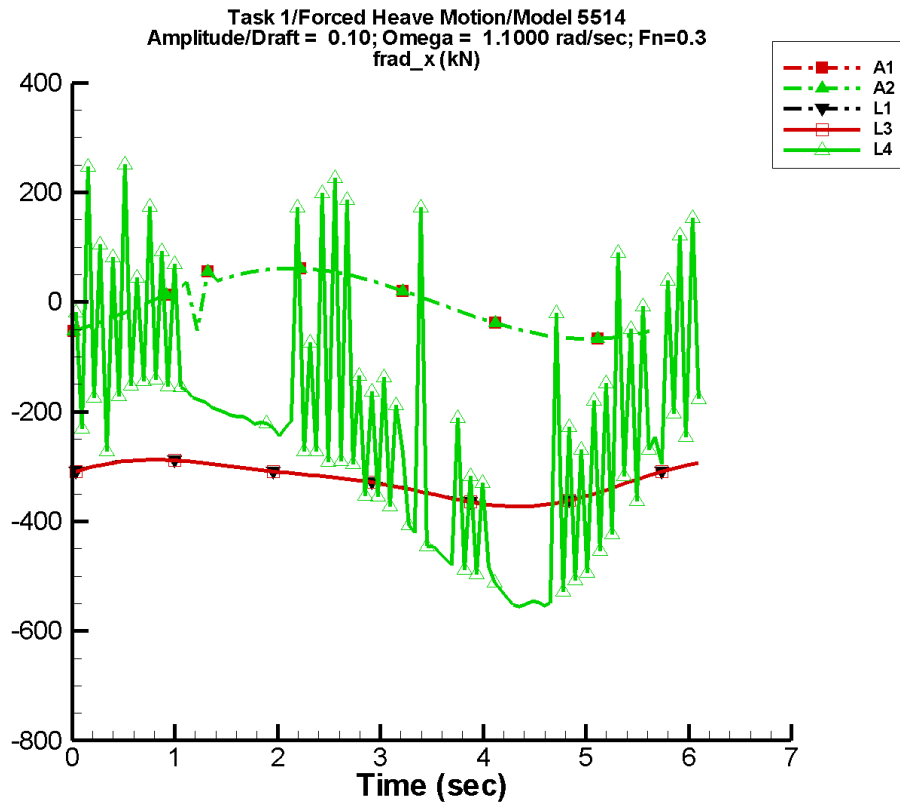
Table B-471. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-1.81	31.6	-46	0.644	84
A2	-1.81	31.6	-46	0.644	84
FD	—	—	—	—	—
L1	-330.	19.4	12	2.68	50
L3	-330.	19.4	12	2.66	50
L4	-283.	131.	21	83.6	-17
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-472. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-33.6	30.9	-32.6	30.1
A2	-33.6	30.9	-32.6	30.1
FD	—	—	—	—
L1	-351.	-311.	-351.	-311.
L3	-352.	-311.	-351.	-312.
L4	-458.	212.	-410.	-72.6
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-237. Time history of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

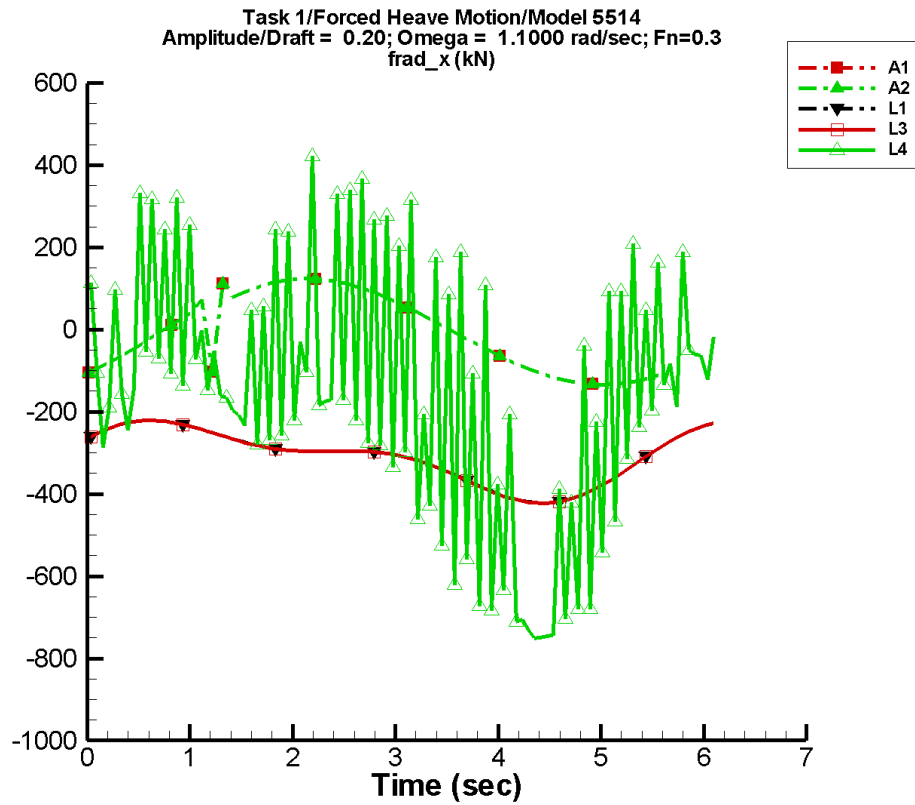
Table B-473. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-3.61	63.1	-46	1.29	84
A2	-3.61	63.1	-46	1.29	84
FD	—	—	—	—	—
L1	-327.	38.9	12	10.0	50
L3	-327.	38.9	12	10.0	50
L4	-230.	183.	13	113.	79
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-474. Minimum and maximum of of F_x^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-67.1	61.7	-65.2	60.0
A2	-67.1	61.7	-65.2	60.0
FD	—	—	—	—
L1	-373.	-287.	-372.	-288.
L3	-373.	-288.	-372.	-288.
L4	-556.	257.	-537.	-4.60
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-238. Time history of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

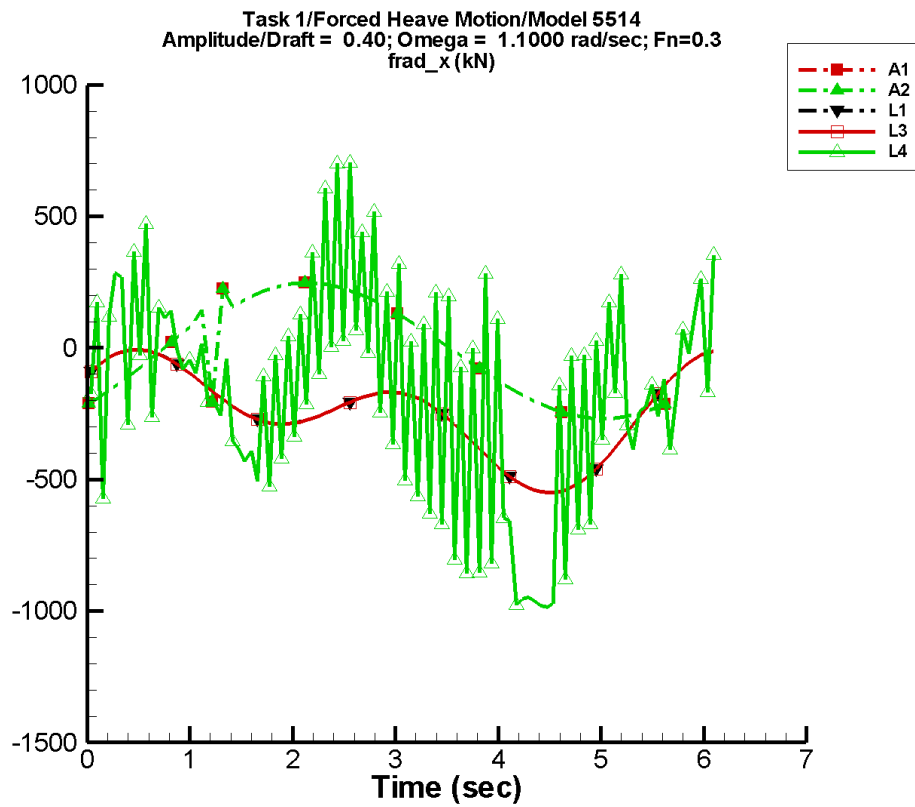
Table B-475. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-7.22	126.	-46	2.57	84
A2	-7.22	126.	-46	2.57	84
FD	—	—	—	—	—
L1	-313.	78.0	12	39.3	50
L3	-313.	78.0	12	39.3	50
L4	-173.	229.	-4	173.	81
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-476. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-134.	123.	-130.	120.
A2	-134.	123.	-130.	120.
FD	—	—	—	—
L1	-422.	-221.	-420.	-223.
L3	-422.	-221.	-420.	-223.
L4	-751.	464.	-680.	99.2
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-239. Time history of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

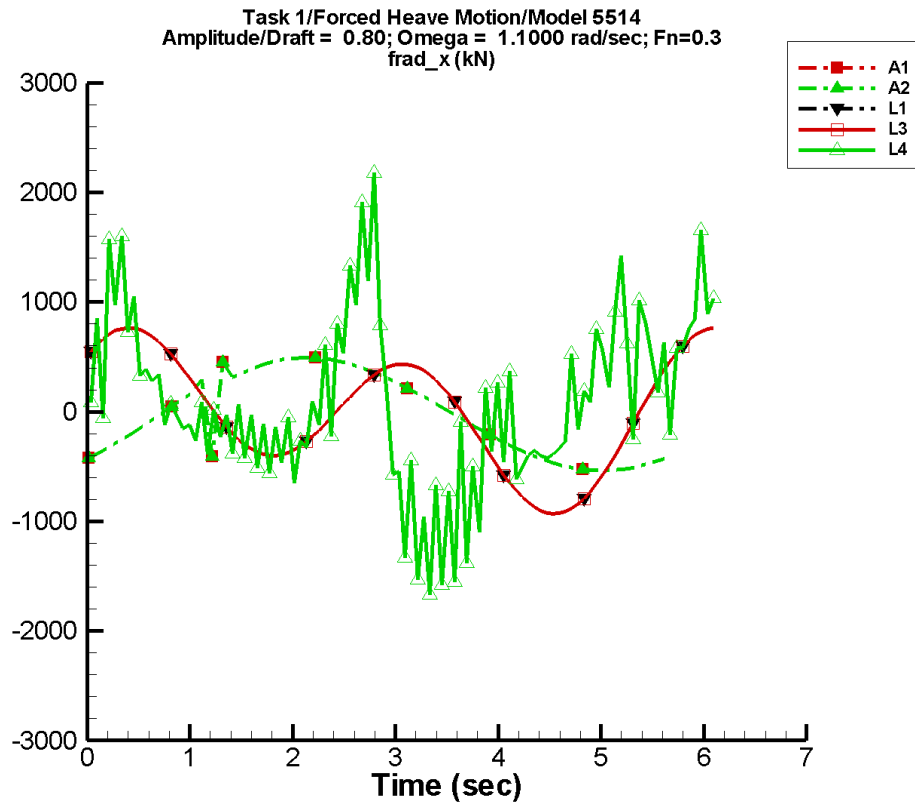
Table B-477. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-14.4	252.	-46	5.15	84
A2	-14.4	252.	-46	5.15	84
FD	—	—	—	—	—
L1	-258.	156.	12	156.	50
L3	-258.	156.	12	156.	50
L4	-186.	240.	-8	298.	88
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-478. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-268.	247.	-261.	240.
A2	-268.	247.	-261.	240.
FD	—	—	—	—
L1	-551.	-6.41	-542.	-13.9
L3	-551.	-6.60	-542.	-14.1
L4	-985.	890.	-870.	316.
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from FREDYN, NFA and NSHIPMO.

Figure B-240. Time history of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

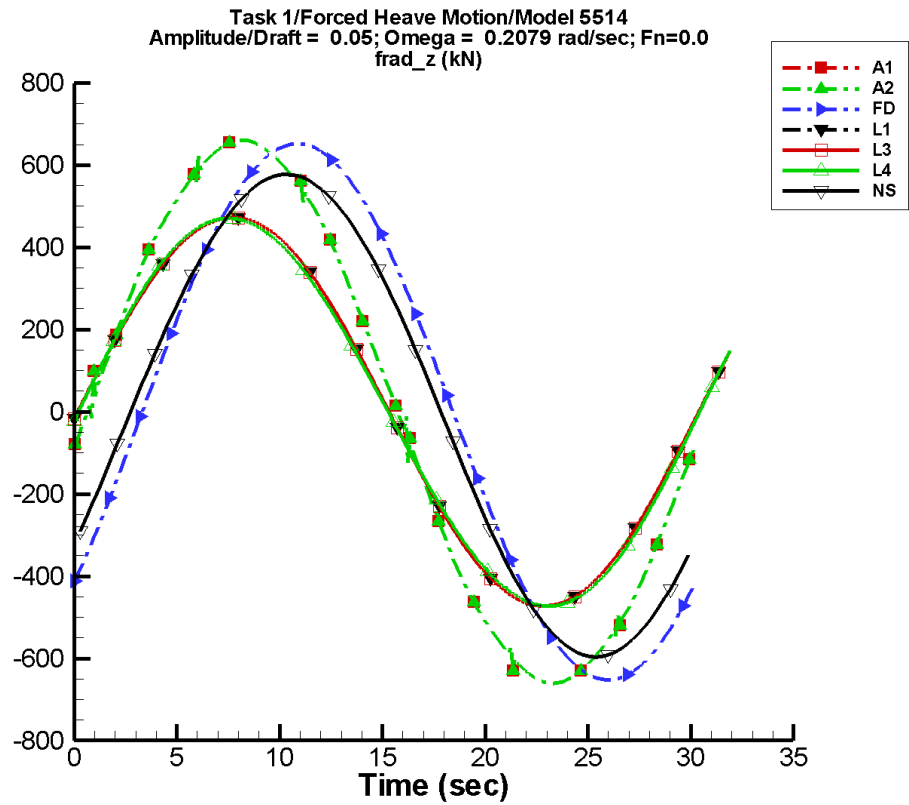
Table B-479. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-28.9	505.	-46	10.3	84
A2	-28.9	505.	-46	10.3	84
FD	—	—	—	—	—
L1	-37.7	312.	12	622.	50
L3	-37.8	312.	12	622.	50
L4	69.1	341.	64	604.	112
NF	—	—	—	—	—
NS	—	—	—	—	—

Table B-480. Minimum and maximum of F_x^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-537.	494.	-521.	480.
A2	-537.	494.	-521.	480.
FD	—	—	—	—
L1	-930.	765.	-899.	733.
L3	-930.	765.	-899.	733.
L4	-1.67E+03	2.18E+03	-1.18E+03	1.12E+03
NF	—	—	—	—
NS	—	—	—	—

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-241. Time history of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

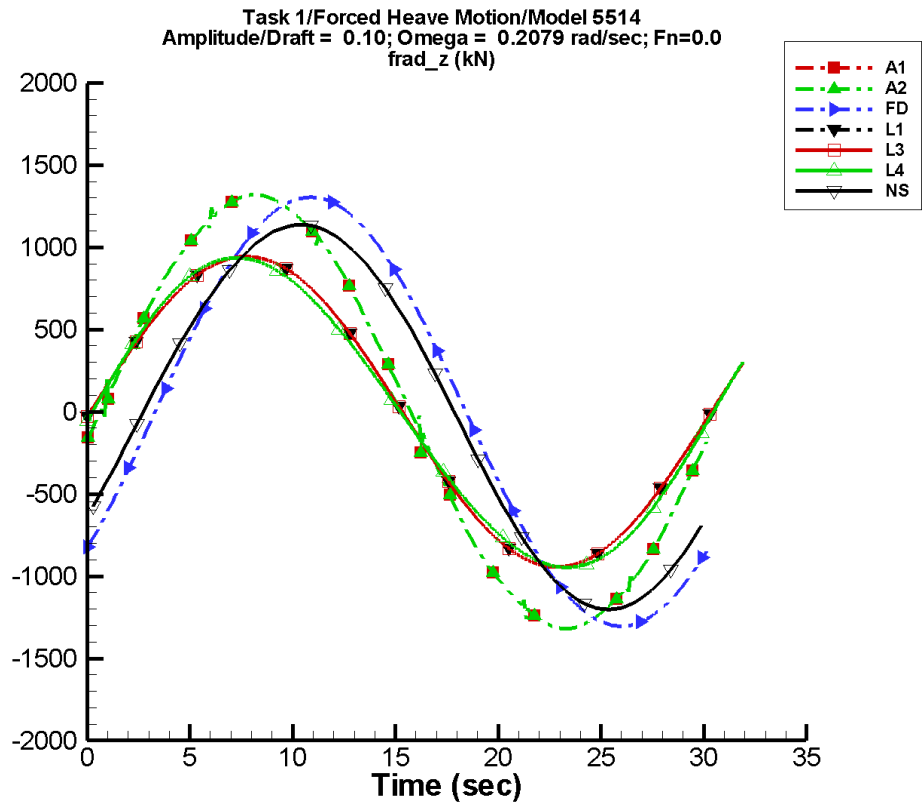
Table B–481. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-2.99E-02	657.	-7	8.78E-02	-167
A2	-2.99E-02	657.	-7	8.78E-02	-167
FD	2.03E-05	652.	-40	8.39E-05	-167
L1	0.746	472.	-2	0.987	90
L3	0.746	472.	-2	0.987	90
L4	-2.09	471.	-2	11.5	-9
NF	—	—	—	—	—
NS	-0.746	586.	-33	4.68	58

Table B–482. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-661.	661.	-660.	660.
A2	-661.	661.	-660.	660.
FD	-652.	652.	-651.	651.
L1	-473.	472.	-472.	472.
L3	-473.	472.	-472.	472.
L4	-473.	470.	-473.	470.
NF	—	—	—	—
NS	-597.	586.	-591.	581.

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-242. Time history of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

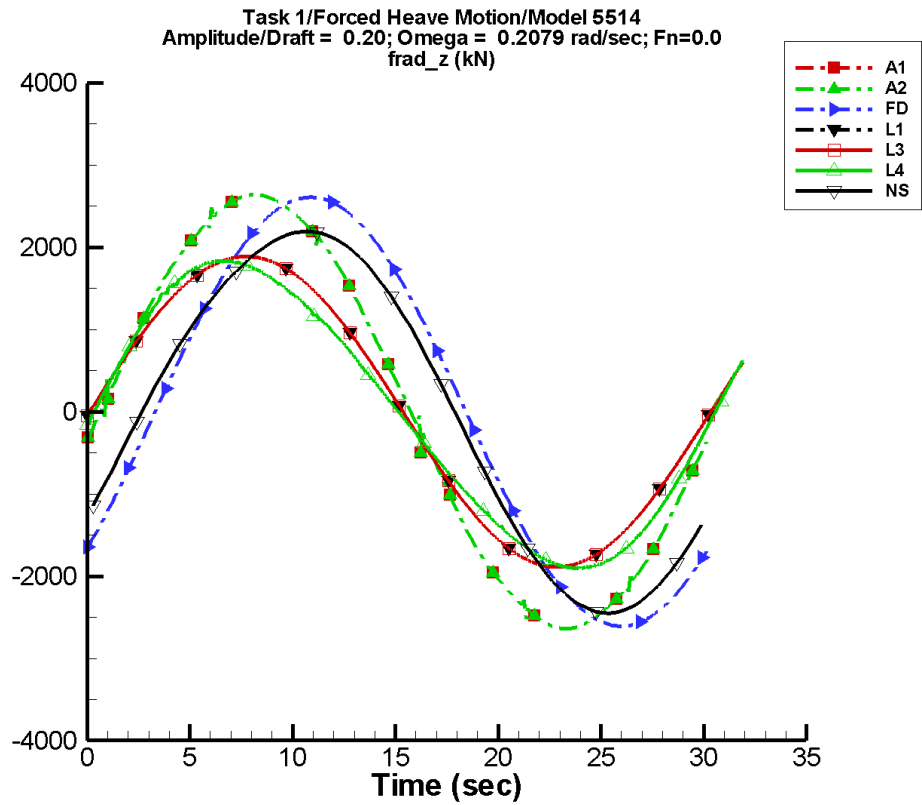
Table B–483. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-5.97E-02	1.31E+03	-7	0.175	-167
A2	-5.97E-02	1.31E+03	-7	0.175	-167
FD	6.35E-05	1.30E+03	-40	1.63E-04	-160
L1	2.99	943.	-2	3.46	88
L3	2.99	943.	-2	3.46	88
L4	-8.98	938.	-2	47.2	-9
NF	—	—	—	—	—
NS	-6.69	1.17E+03	-33	19.6	57

Table B–484. Minimum and maximum of of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-1.32E+03	1.32E+03	-1.32E+03	1.32E+03
A2	-1.32E+03	1.32E+03	-1.32E+03	1.32E+03
FD	-1.30E+03	1.30E+03	-1.30E+03	1.30E+03
L1	-944.	943.	-943.	943.
L3	-944.	943.	-943.	943.
L4	-946.	936.	-946.	935.
NF	—	—	—	—
NS	-1.20E+03	1.15E+03	-1.19E+03	1.14E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-243. Time history of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

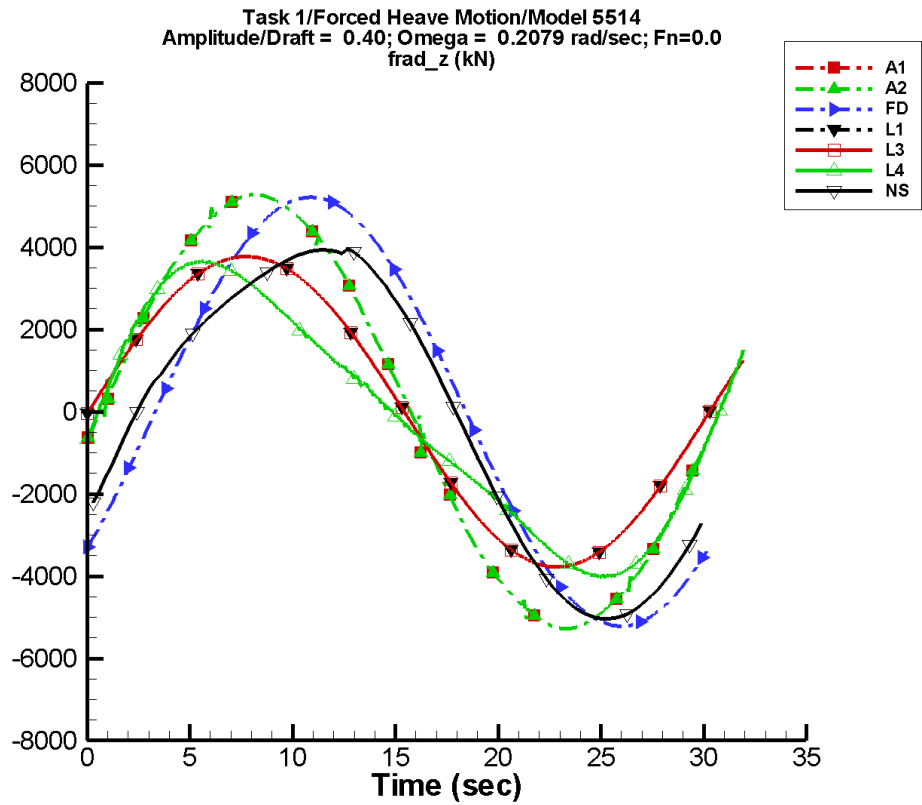
Table B–485. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-0.119	2.62E+03	-7	0.351	-167
A2	-0.119	2.62E+03	-7	0.351	-167
FD	6.90E-05	2.61E+03	-40	2.43E-04	-155
L1	12.0	1.89E+03	-2	12.9	87
L3	12.0	1.89E+03	-2	12.9	87
L4	-42.5	1.84E+03	-3	207.	-7
NF	—	—	—	—	—
NS	-37.6	2.32E+03	-33	90.0	57

Table B–486. Minimum and maximum of of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-2.64E+03	2.64E+03	-2.63E+03	2.64E+03
A2	-2.64E+03	2.64E+03	-2.63E+03	2.64E+03
FD	-2.61E+03	2.61E+03	-2.61E+03	2.61E+03
L1	-1.89E+03	1.89E+03	-1.89E+03	1.89E+03
L3	-1.89E+03	1.89E+03	-1.89E+03	1.89E+03
L4	-1.91E+03	1.84E+03	-1.90E+03	1.83E+03
NF	—	—	—	—
NS	-2.45E+03	2.23E+03	-2.42E+03	2.21E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-244. Time history of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

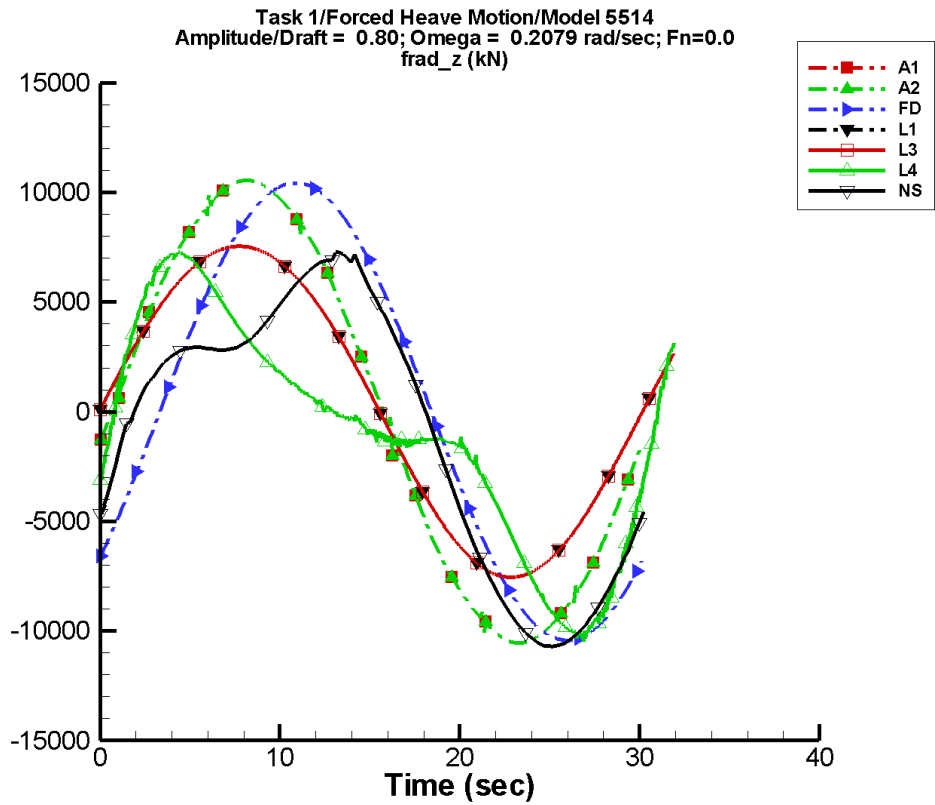
Table B–487. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-0.239	5.25E+03	-7	0.702	-167
A2	-0.239	5.25E+03	-7	0.702	-167
FD	7.50E-05	5.22E+03	-40	6.35E-04	-165
L1	47.9	3.77E+03	-2	49.8	86
L3	47.9	3.77E+03	-2	49.8	86
L4	-202.	3.48E+03	-3	945.	-7
NF	—	—	—	—	—
NS	-204.	4.47E+03	-34	452.	57

Table B–488. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-5.28E+03	5.28E+03	-5.27E+03	5.27E+03
A2	-5.28E+03	5.28E+03	-5.27E+03	5.27E+03
FD	-5.22E+03	5.22E+03	-5.21E+03	5.21E+03
L1	-3.77E+03	3.77E+03	-3.77E+03	3.77E+03
L3	-3.77E+03	3.77E+03	-3.77E+03	3.77E+03
L4	-4.02E+03	3.66E+03	-4.00E+03	3.65E+03
NF	—	—	—	—
NS	-5.04E+03	4.06E+03	-4.99E+03	4.00E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-245. Time history of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

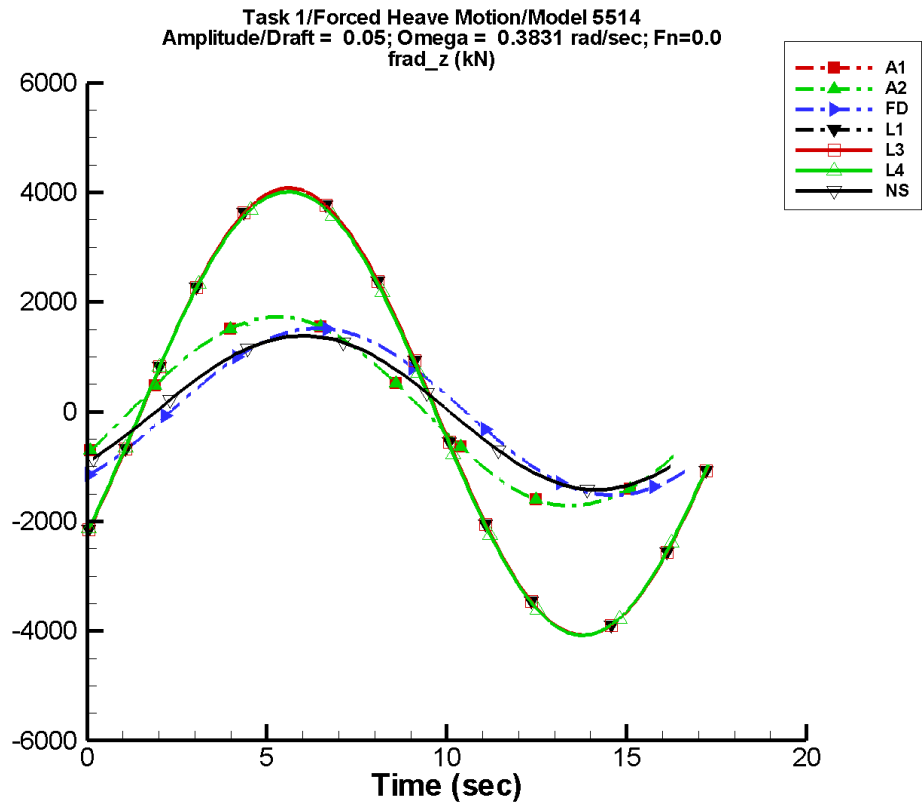
Table B–489. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-0.477	1.05E+04	-7	1.40	-167
A2	-0.477	1.05E+04	-7	1.40	-167
FD	3.64E-04	1.04E+04	-40	1.25E-03	-148
L1	192.	7.55E+03	-2	196.	86
L3	192.	7.55E+03	-2	196.	86
L4	-989.	5.82E+03	-9	3.80E+03	-6
NF	—	—	—	—	—
NS	-974.	8.13E+03	-35	2.17E+03	58

Table B–490. Minimum and maximum of of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-1.06E+04	1.06E+04	-1.05E+04	1.05E+04
A2	-1.06E+04	1.06E+04	-1.05E+04	1.05E+04
FD	-1.04E+04	1.04E+04	-1.04E+04	1.04E+04
L1	-7.55E+03	7.55E+03	-7.55E+03	7.54E+03
L3	-7.55E+03	7.55E+03	-7.55E+03	7.54E+03
L4	-1.05E+04	7.27E+03	-1.02E+04	7.21E+03
NF	—	—	—	—
NS	-1.07E+04	7.45E+03	-1.06E+04	7.24E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-246. Time history of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

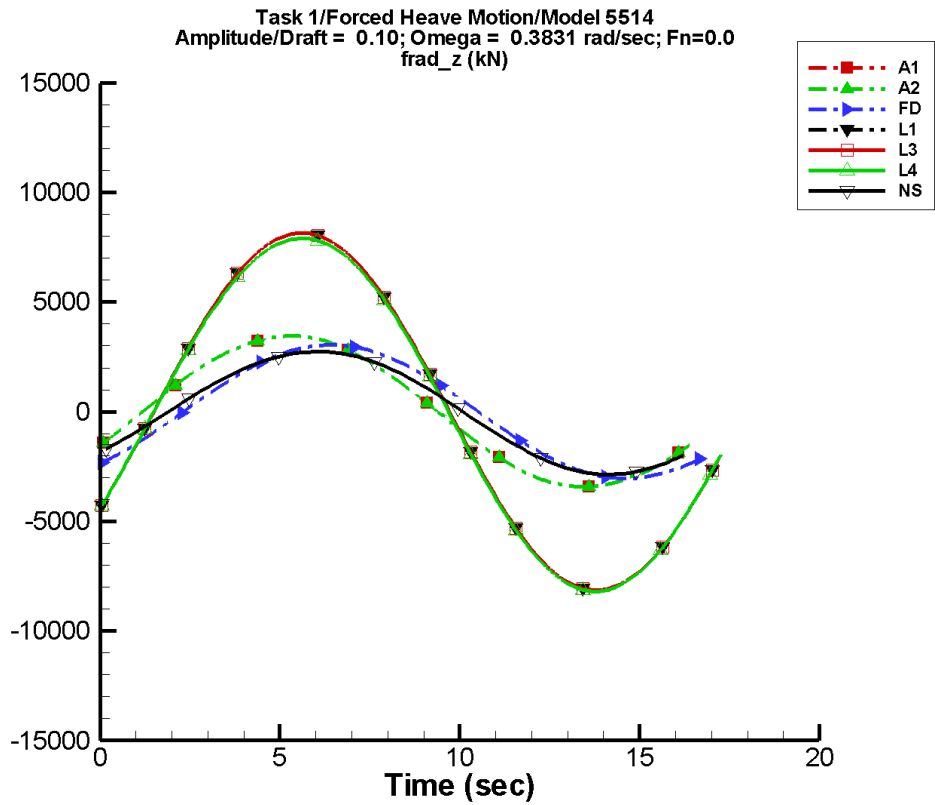
Table B–491. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	3.20	1.72E+03	-26	0.971	106
A2	3.20	1.72E+03	-26	0.971	106
FD	-1.75E-04	1.52E+03	-51	2.12E-04	-88
L1	5.29	4.08E+03	-33	3.95	85
L3	5.29	4.08E+03	-33	3.95	85
L4	-19.5	4.05E+03	-33	16.8	52
NF	—	—	—	—	—
NS	-7.48	1.40E+03	-42	10.3	59

Table B–492. Minimum and maximum of of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-1.72E+03	1.73E+03	-1.71E+03	1.72E+03
A2	-1.72E+03	1.73E+03	-1.71E+03	1.72E+03
FD	-1.52E+03	1.52E+03	-1.52E+03	1.52E+03
L1	-4.07E+03	4.08E+03	-4.07E+03	4.08E+03
L3	-4.07E+03	4.08E+03	-4.07E+03	4.08E+03
L4	-4.08E+03	4.01E+03	-4.07E+03	4.00E+03
NF	—	—	—	—
NS	-1.42E+03	1.39E+03	-1.41E+03	1.37E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-247. Time history of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

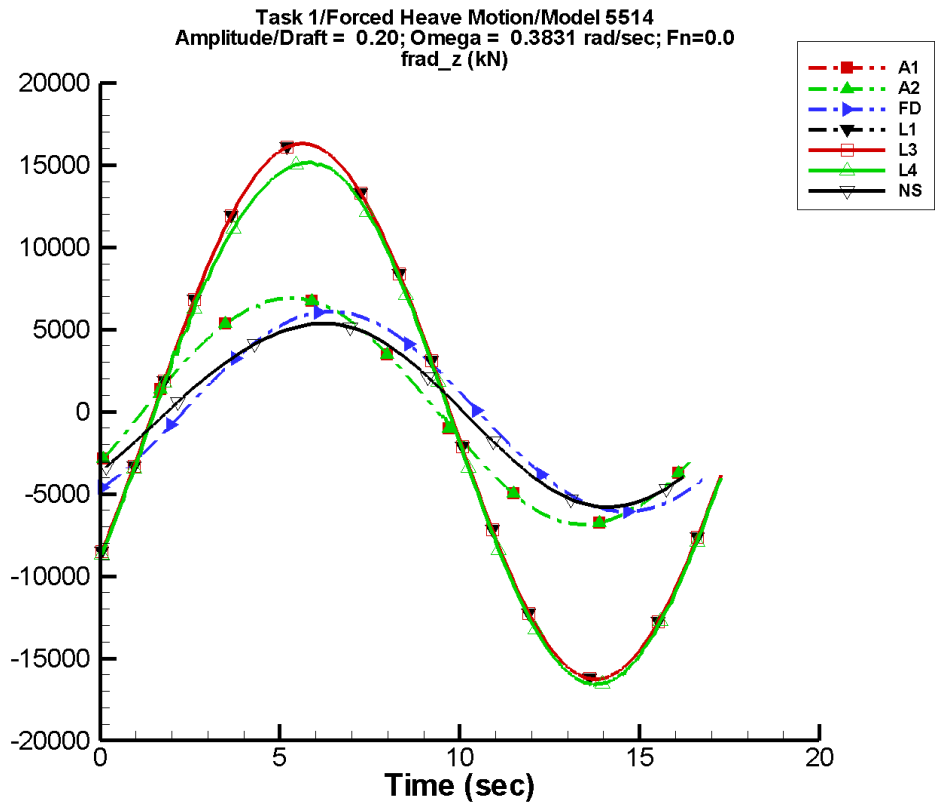
Table B–493. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	6.38	3.44E+03	-26	1.94	106
A2	6.38	3.44E+03	-26	1.94	106
FD	-2.28E-04	3.04E+03	-51	4.53E-04	-95
L1	18.3	8.14E+03	-33	19.0	82
L3	18.3	8.14E+03	-33	19.0	82
L4	-83.2	8.06E+03	-33	73.5	54
NF	—	—	—	—	—
NS	-23.4	2.79E+03	-42	41.9	56

Table B–494. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-3.43E+03	3.46E+03	-3.41E+03	3.44E+03
A2	-3.43E+03	3.46E+03	-3.41E+03	3.44E+03
FD	-3.04E+03	3.04E+03	-3.04E+03	3.03E+03
L1	-8.13E+03	8.15E+03	-8.12E+03	8.14E+03
L3	-8.13E+03	8.15E+03	-8.12E+03	8.14E+03
L4	-8.21E+03	7.91E+03	-8.19E+03	7.90E+03
NF	—	—	—	—
NS	-2.86E+03	2.75E+03	-2.83E+03	2.72E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-248. Time history of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

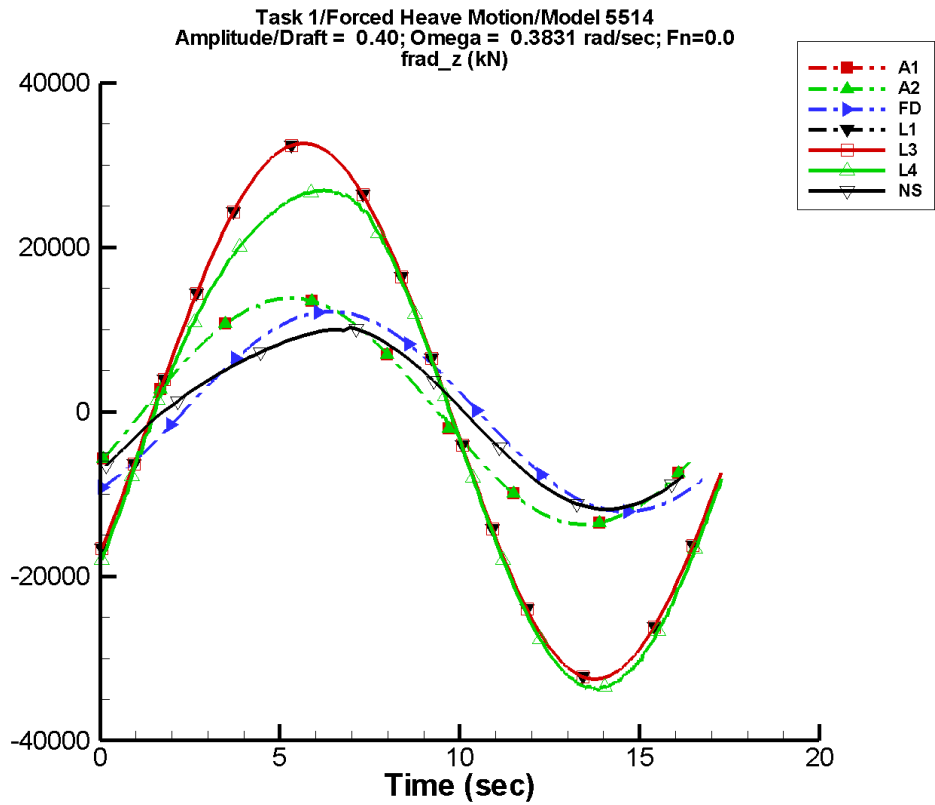
Table B–495. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	12.8	6.88E+03	-26	3.88	106
A2	12.8	6.88E+03	-26	3.88	106
FD	-5.54E-04	6.09E+03	-51	9.11E-04	-99
L1	67.6	1.63E+04	-33	82.6	80
L3	67.6	1.63E+04	-33	82.6	80
L4	-390.	1.59E+04	-33	403.	54
NF	—	—	—	—	—
NS	-87.7	5.55E+03	-42	190.	55

Table B–496. Minimum and maximum of of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-6.85E+03	6.91E+03	-6.83E+03	6.89E+03
A2	-6.85E+03	6.91E+03	-6.83E+03	6.89E+03
FD	-6.09E+03	6.09E+03	-6.08E+03	6.07E+03
L1	-1.63E+04	1.63E+04	-1.62E+04	1.63E+04
L3	-1.63E+04	1.63E+04	-1.62E+04	1.63E+04
L4	-1.66E+04	1.52E+04	-1.66E+04	1.51E+04
NF	—	—	—	—
NS	-5.81E+03	5.38E+03	-5.74E+03	5.32E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-249. Time history of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

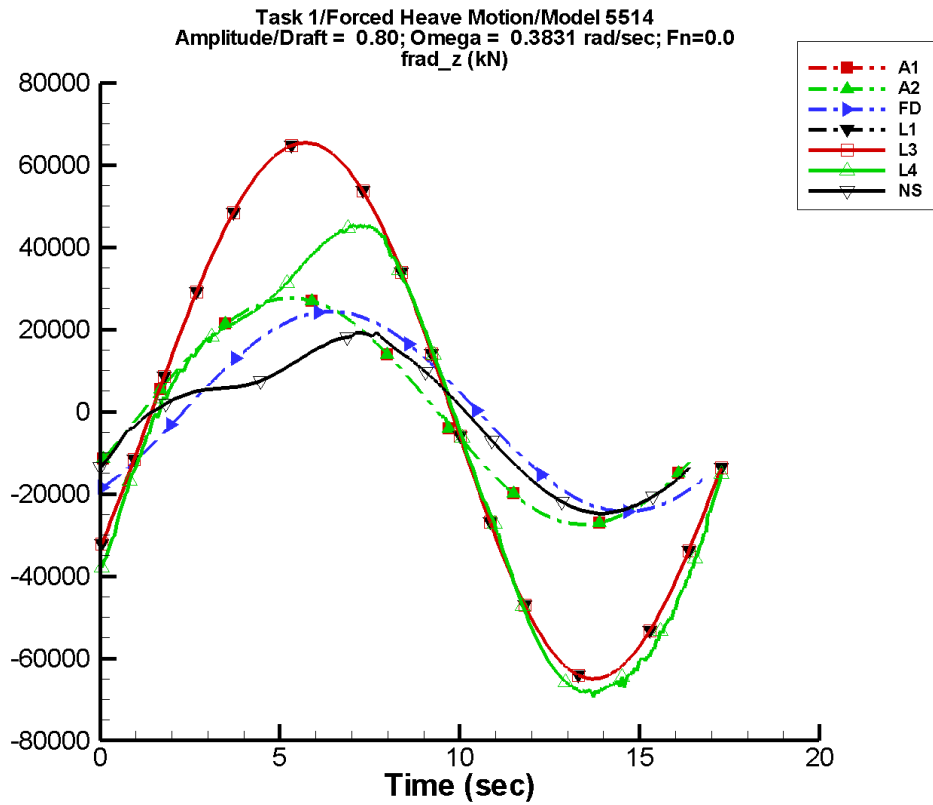
Table B–497. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	25.5	1.38E+04	-26	7.76	106
A2	25.5	1.38E+04	-26	7.76	106
FD	-1.24E-03	1.22E+04	-51	1.93E-03	-100
L1	259.	3.26E+04	-33	344.	80
L3	259.	3.26E+04	-33	344.	80
L4	-1.78E+03	3.06E+04	-35	2.05E+03	51
NF	—	—	—	—	—
NS	-416.	1.07E+04	-42	961.	54

Table B–498. Minimum and maximum of of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-1.37E+04	1.38E+04	-1.37E+04	1.38E+04
A2	-1.37E+04	1.38E+04	-1.37E+04	1.38E+04
FD	-1.22E+04	1.22E+04	-1.22E+04	1.21E+04
L1	-3.25E+04	3.26E+04	-3.25E+04	3.26E+04
L3	-3.25E+04	3.26E+04	-3.25E+04	3.26E+04
L4	-3.39E+04	2.69E+04	-3.36E+04	2.69E+04
NF	—	—	—	—
NS	-1.19E+04	1.03E+04	-1.17E+04	9.97E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-250. Time history of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

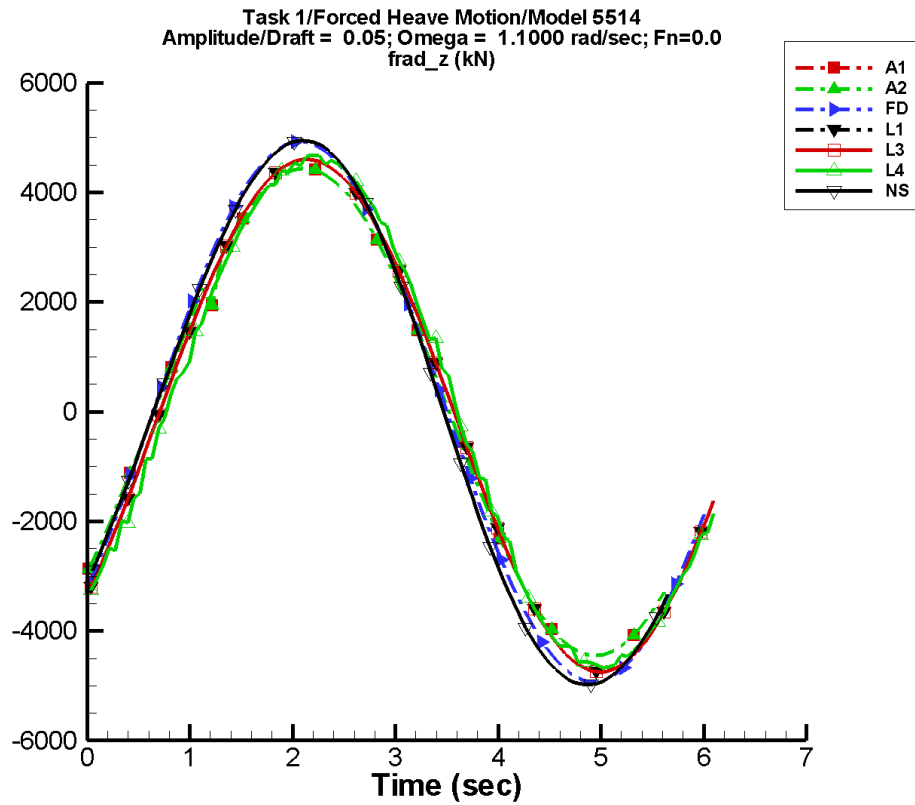
Table B-499. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	51.0	2.75E+04	-26	15.5	106
A2	51.0	2.75E+04	-26	15.5	106
FD	-2.43E-03	2.44E+04	-51	3.88E-03	-97
L1	1.01E+03	6.51E+04	-33	1.40E+03	79
L3	1.01E+03	6.51E+04	-33	1.40E+03	79
L4	-8.04E+03	5.48E+04	-39	1.00E+04	52
NF	—	—	—	—	—
NS	-1.92E+03	1.96E+04	-44	4.61E+03	55

Table B-500. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-2.74E+04	2.76E+04	-2.73E+04	2.76E+04
A2	-2.74E+04	2.76E+04	-2.73E+04	2.76E+04
FD	-2.44E+04	2.44E+04	-2.43E+04	2.43E+04
L1	-6.50E+04	6.54E+04	-6.49E+04	6.53E+04
L3	-6.50E+04	6.54E+04	-6.49E+04	6.53E+04
L4	-6.95E+04	4.54E+04	-6.82E+04	4.51E+04
NF	—	—	—	—
NS	-2.48E+04	1.94E+04	-2.46E+04	1.88E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-251. Time history of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

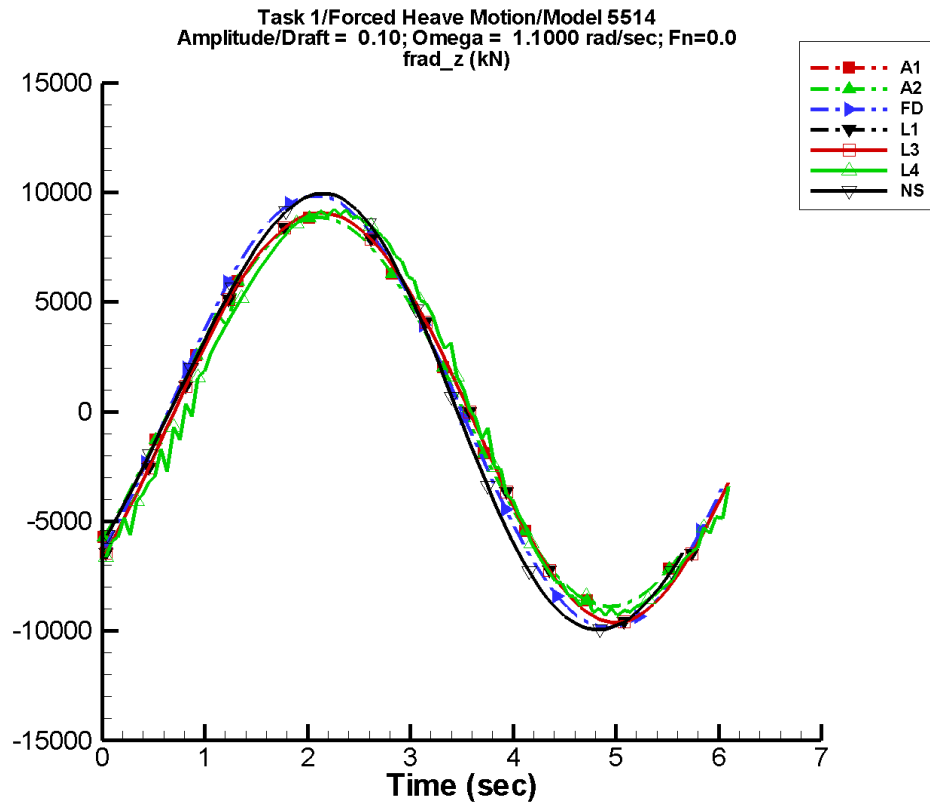
Table B–501. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-5.24	4.43E+03	-42	60.3	83
A2	-5.24	4.43E+03	-42	60.3	83
FD	-9.77E-05	4.93E+03	-41	9.48E-04	15
L1	-21.2	4.69E+03	-45	43.1	-4
L3	-21.2	4.69E+03	-45	43.1	-4
L4	-22.9	4.66E+03	-48	92.7	108
NF	—	—	—	—	—
NS	-49.3	4.96E+03	-40	134.	117

Table B–502. Minimum and maximum of of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-4.45E+03	4.44E+03	-4.31E+03	4.31E+03
A2	-4.45E+03	4.44E+03	-4.31E+03	4.31E+03
FD	-4.93E+03	4.92E+03	-4.78E+03	4.78E+03
L1	-4.75E+03	4.64E+03	-4.70E+03	4.59E+03
L3	-4.75E+03	4.64E+03	-4.70E+03	4.59E+03
L4	-4.68E+03	4.71E+03	-4.58E+03	4.64E+03
NF	—	—	—	—
NS	-4.98E+03	4.96E+03	-4.93E+03	4.91E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-252. Time history of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

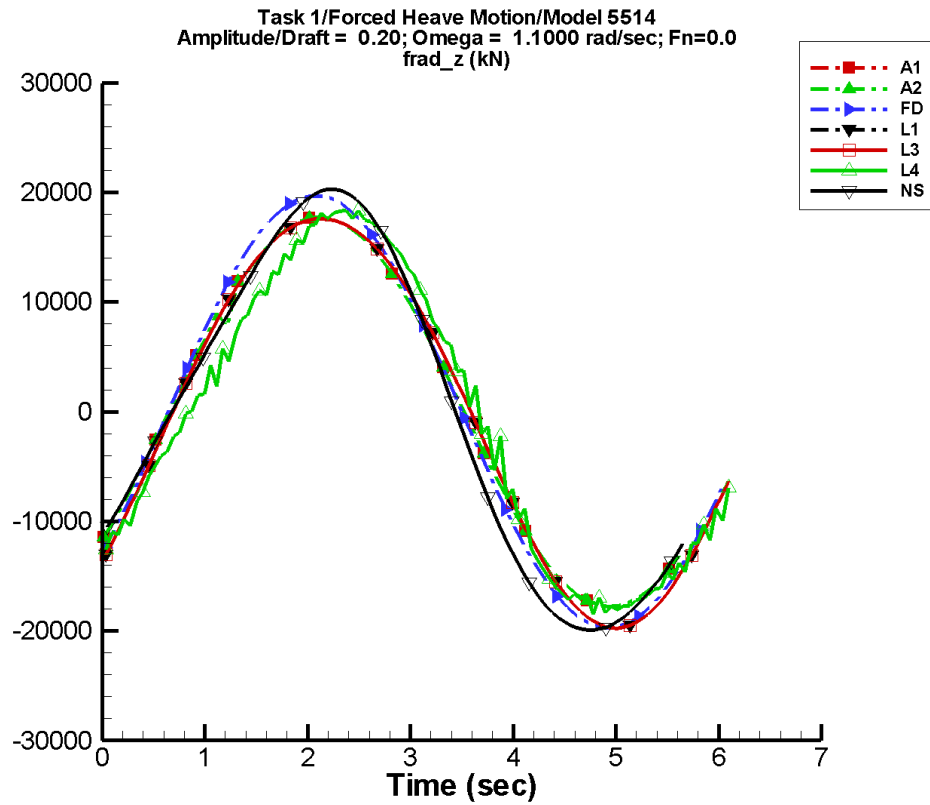
Table B–503. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-10.5	8.84E+03	-42	120.	83
A2	-10.5	8.84E+03	-42	120.	83
FD	-1.96E-04	9.86E+03	-41	2.09E-03	13
L1	-76.4	9.36E+03	-45	182.	-5
L3	-76.4	9.36E+03	-45	182.	-5
L4	-115.	9.26E+03	-49	349.	107
NF	—	—	—	—	—
NS	-145.	9.89E+03	-40	535.	117

Table B–504. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-8.88E+03	8.87E+03	-8.61E+03	8.60E+03
A2	-8.88E+03	8.87E+03	-8.61E+03	8.60E+03
FD	-9.86E+03	9.85E+03	-9.56E+03	9.56E+03
L1	-9.61E+03	9.13E+03	-9.50E+03	9.04E+03
L3	-9.61E+03	9.13E+03	-9.50E+03	9.04E+03
L4	-9.32E+03	9.36E+03	-9.07E+03	9.09E+03
NF	—	—	—	—
NS	-9.94E+03	9.98E+03	-9.85E+03	9.87E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-253. Time history of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

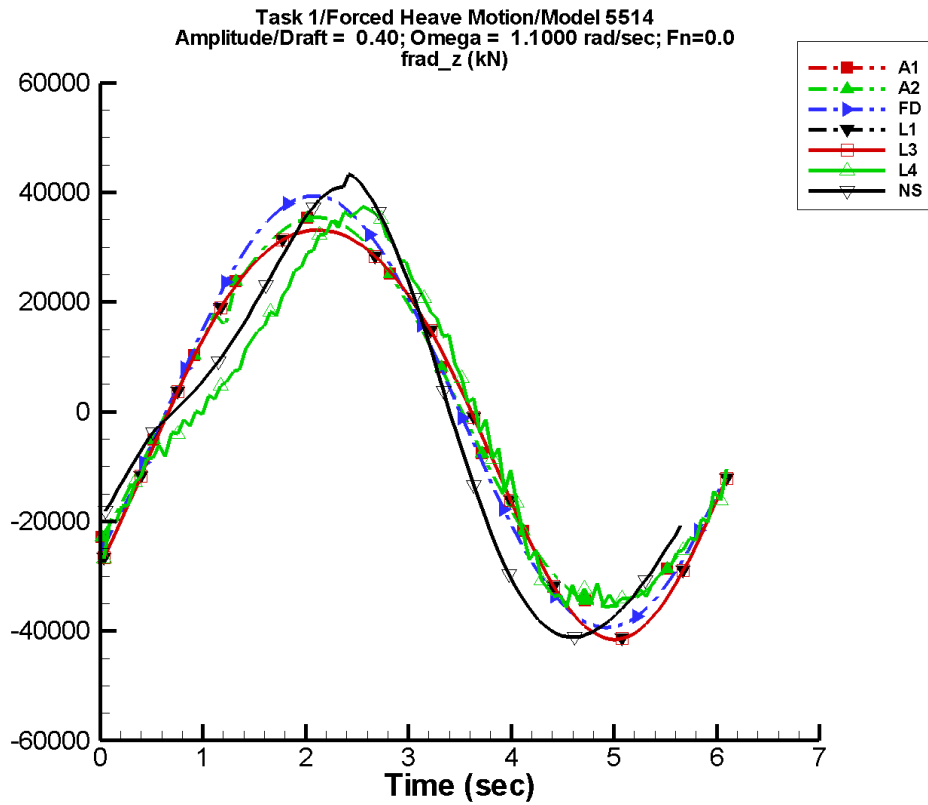
Table B–505. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-20.9	1.77E+04	-42	241.	83
A2	-20.9	1.77E+04	-42	241.	83
FD	-7.00E-04	1.97E+04	-41	4.49E-03	9
L1	-290.	1.87E+04	-45	746.	-6
L3	-290.	1.87E+04	-45	746.	-6
L4	-386.	1.79E+04	-51	1.57E+03	90
NF	—	—	—	—	—
NS	-492.	1.96E+04	-40	2.20E+03	115

Table B–506. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-1.78E+04	1.77E+04	-1.72E+04	1.72E+04
A2	-1.78E+04	1.77E+04	-1.72E+04	1.72E+04
FD	-1.97E+04	1.97E+04	-1.91E+04	1.91E+04
L1	-1.97E+04	1.78E+04	-1.95E+04	1.76E+04
L3	-1.97E+04	1.78E+04	-1.95E+04	1.76E+04
L4	-1.85E+04	1.87E+04	-1.77E+04	1.82E+04
NF	—	—	—	—
NS	-1.99E+04	2.04E+04	-1.97E+04	2.01E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-254. Time history of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

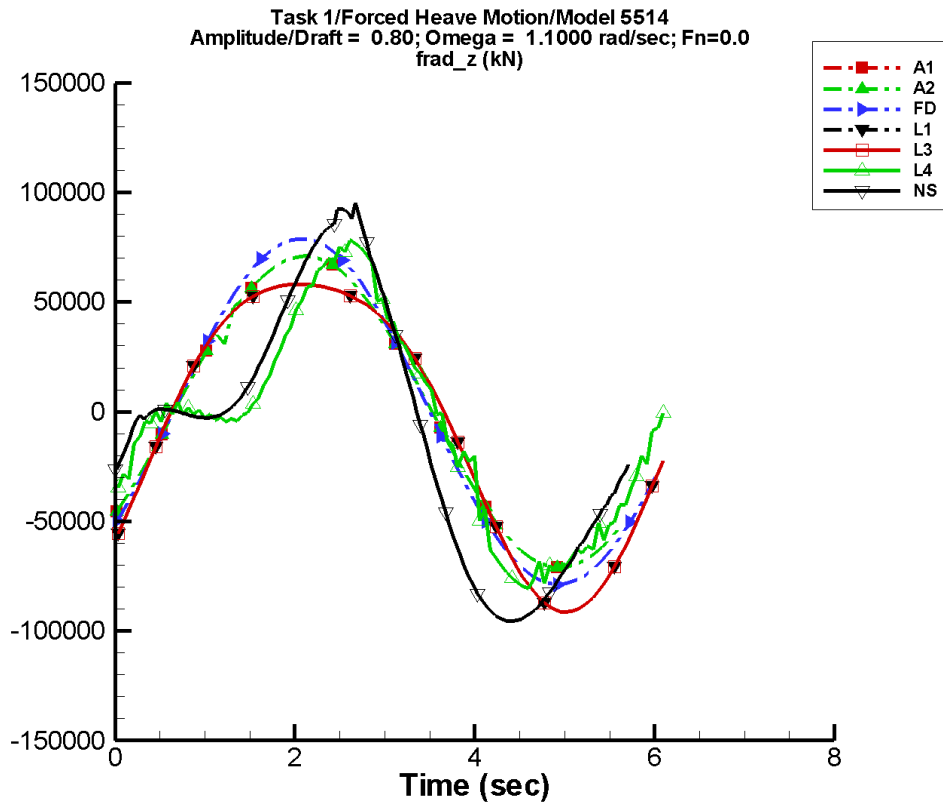
Table B-507. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-41.9	3.53E+04	-42	482.	83
A2	-41.9	3.53E+04	-42	482.	83
FD	-7.75E-04	3.94E+04	-41	9.77E-03	7
L1	-1.13E+03	3.74E+04	-45	3.02E+03	-6
L3	-1.13E+03	3.74E+04	-45	3.02E+03	-6
L4	-1.48E+03	3.36E+04	-54	6.29E+03	84
NF	—	—	—	—	—
NS	-2.11E+03	3.80E+04	-40	8.88E+03	109

Table B-508. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-3.55E+04	3.55E+04	-3.44E+04	3.44E+04
A2	-3.55E+04	3.55E+04	-3.44E+04	3.44E+04
FD	-3.94E+04	3.94E+04	-3.82E+04	3.83E+04
L1	-4.16E+04	3.34E+04	-4.10E+04	3.32E+04
L3	-4.16E+04	3.34E+04	-4.10E+04	3.32E+04
L4	-3.57E+04	3.80E+04	-3.39E+04	3.60E+04
NF	—	—	—	—
NS	-4.12E+04	4.37E+04	-4.07E+04	4.15E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-255. Time history of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

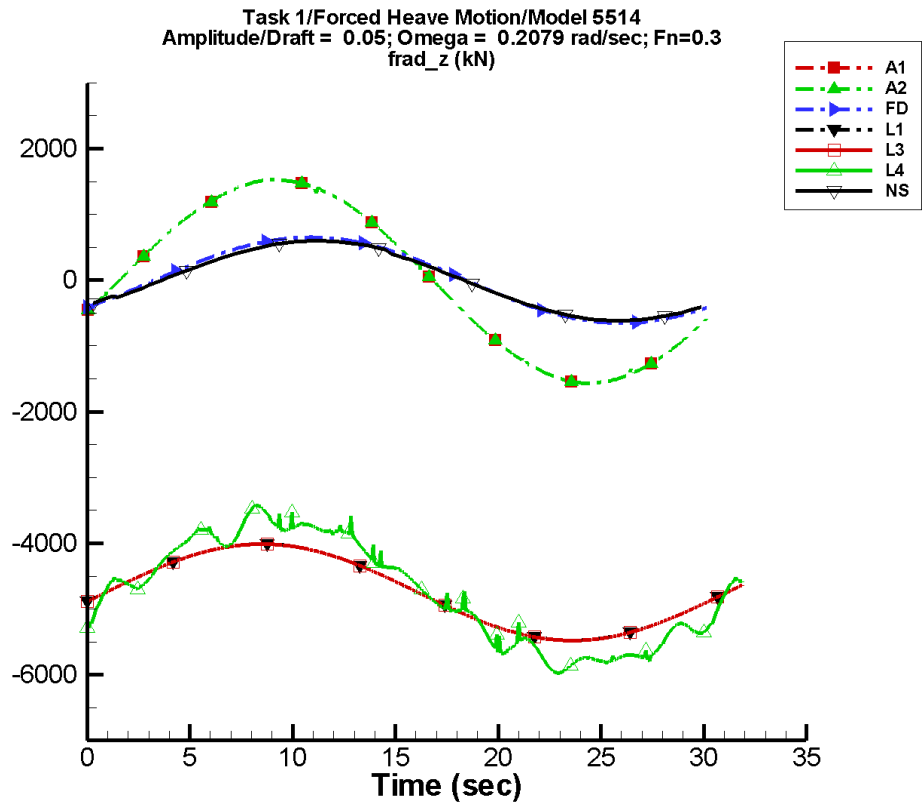
Table B-509. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-83.7	7.07E+04	-42	963.	83
A2	-83.7	7.07E+04	-42	963.	83
FD	-1.51E-03	7.89E+04	-41	1.94E-02	3
L1	-4.45E+03	7.48E+04	-45	1.22E+04	-6
L3	-4.45E+03	7.48E+04	-45	1.22E+04	-6
L4	-5.23E+03	6.10E+04	-51	2.58E+04	78
NF	—	—	—	—	—
NS	-8.75E+03	7.16E+04	-37	3.44E+04	102

Table B-510. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-7.11E+04	7.10E+04	-6.89E+04	6.88E+04
A2	-7.11E+04	7.10E+04	-6.89E+04	6.88E+04
FD	-7.89E+04	7.88E+04	-7.64E+04	7.65E+04
L1	-9.14E+04	5.87E+04	-9.00E+04	5.84E+04
L3	-9.14E+04	5.87E+04	-9.00E+04	5.84E+04
L4	-8.05E+04	7.82E+04	-7.66E+04	7.37E+04
NF	—	—	—	—
NS	-9.56E+04	9.53E+04	-9.49E+04	9.03E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-256. Time history of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

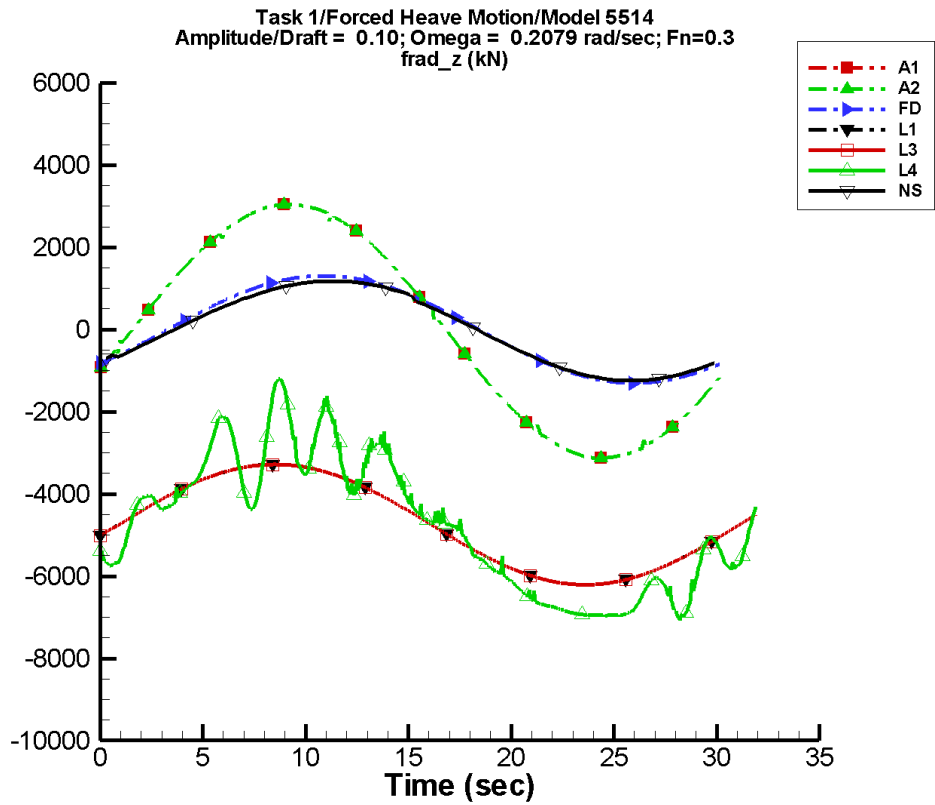
Table B–511. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-8.84	1.55E+03	-20	18.0	-1
A2	-8.84	1.55E+03	-20	18.0	-1
FD	1.28E-05	652.	-40	8.24E-05	-172
L1	-4.74E+03	733.	-11	1.14	80
L3	-4.74E+03	733.	-11	1.14	80
L4	-4.74E+03	1.09E+03	-18	2.93	28
NF	—	—	—	—	—
NS	-10.4	601.	-41	18.9	139

Table B–512. Minimum and maximum of of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-1.57E+03	1.52E+03	-1.57E+03	1.52E+03
A2	-1.57E+03	1.52E+03	-1.57E+03	1.52E+03
FD	-652.	652.	-651.	651.
L1	-5.48E+03	-4.01E+03	-5.48E+03	-4.01E+03
L3	-5.48E+03	-4.01E+03	-5.48E+03	-4.01E+03
L4	-5.97E+03	-3.42E+03	-5.96E+03	-3.44E+03
NF	—	—	—	—
NS	-615.	608.	-608.	602.

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-257. Time history of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

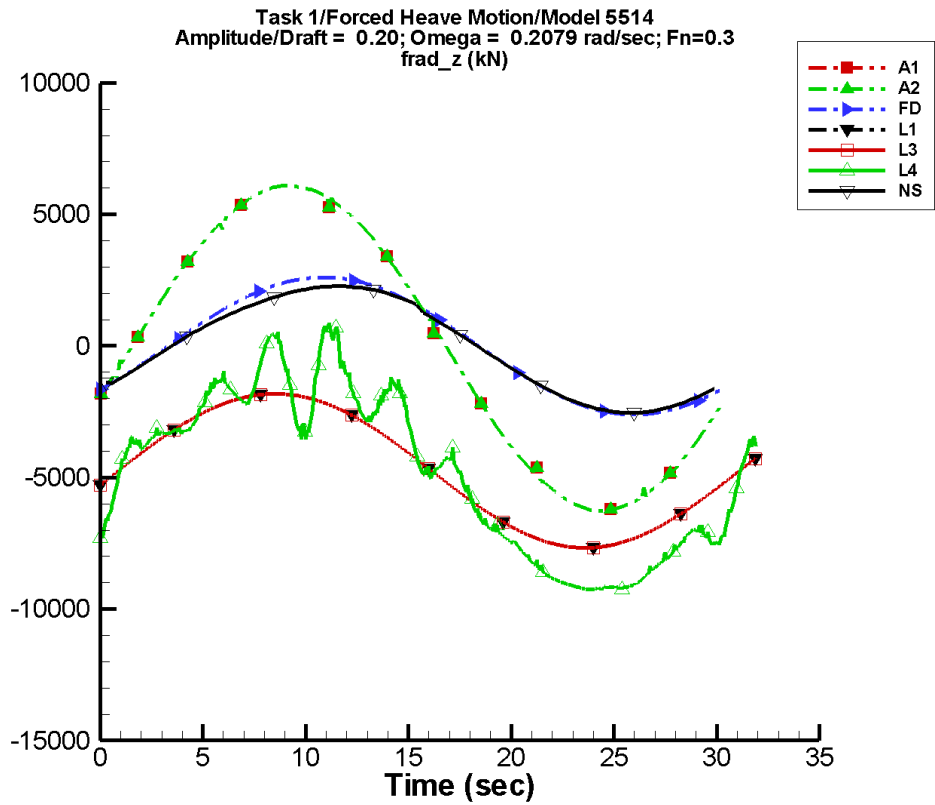
Table B–513. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-17.7	3.09E+03	-20	35.9	-1
A2	-17.7	3.09E+03	-20	35.9	-1
FD	6.35E-05	1.30E+03	-40	1.63E-04	-160
L1	-4.74E+03	1.46E+03	-11	4.54	80
L3	-4.74E+03	1.46E+03	-11	4.53	80
L4	-4.77E+03	2.17E+03	-20	7.08	128
NF	—	—	—	—	—
NS	-26.7	1.21E+03	-41	37.8	123

Table B–514. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-3.13E+03	3.04E+03	-3.13E+03	3.04E+03
A2	-3.13E+03	3.04E+03	-3.13E+03	3.04E+03
FD	-1.30E+03	1.30E+03	-1.30E+03	1.30E+03
L1	-6.21E+03	-3.28E+03	-6.21E+03	-3.28E+03
L3	-6.21E+03	-3.28E+03	-6.21E+03	-3.28E+03
L4	-7.06E+03	-1.20E+03	-6.98E+03	-1.28E+03
NF	—	—	—	—
NS	-1.24E+03	1.20E+03	-1.23E+03	1.19E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-258. Time history of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

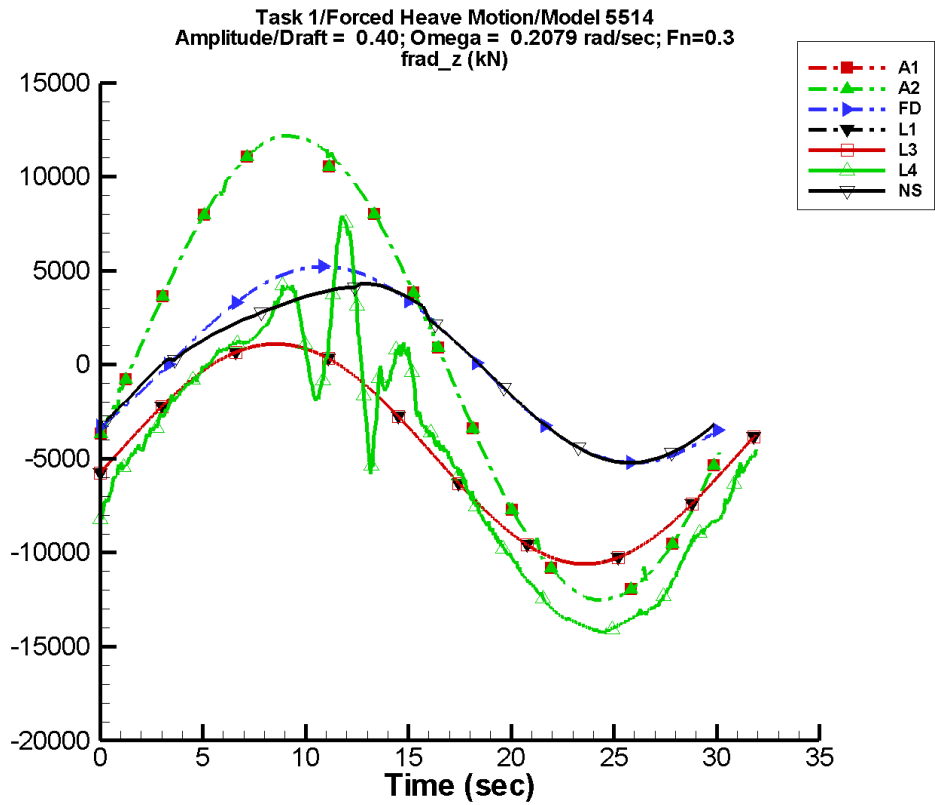
Table B–515. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-35.3	6.18E+03	-20	71.8	-1
A2	-35.3	6.18E+03	-20	71.8	-1
FD	6.90E-05	2.61E+03	-40	2.43E-04	-155
L1	-4.73E+03	2.93E+03	-11	18.1	80
L3	-4.73E+03	2.93E+03	-11	18.1	80
L4	-4.85E+03	4.21E+03	-20	322.	69
NF	—	—	—	—	—
NS	-77.0	2.39E+03	-41	97.4	82

Table B–516. Minimum and maximum of of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-6.26E+03	6.09E+03	-6.25E+03	6.08E+03
A2	-6.26E+03	6.09E+03	-6.25E+03	6.08E+03
FD	-2.61E+03	2.61E+03	-2.61E+03	2.61E+03
L1	-7.67E+03	-1.82E+03	-7.67E+03	-1.82E+03
L3	-7.67E+03	-1.82E+03	-7.67E+03	-1.82E+03
L4	-9.28E+03	1.18E+03	-9.25E+03	954.
NF	—	—	—	—
NS	-2.54E+03	2.31E+03	-2.51E+03	2.29E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-259. Time history of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

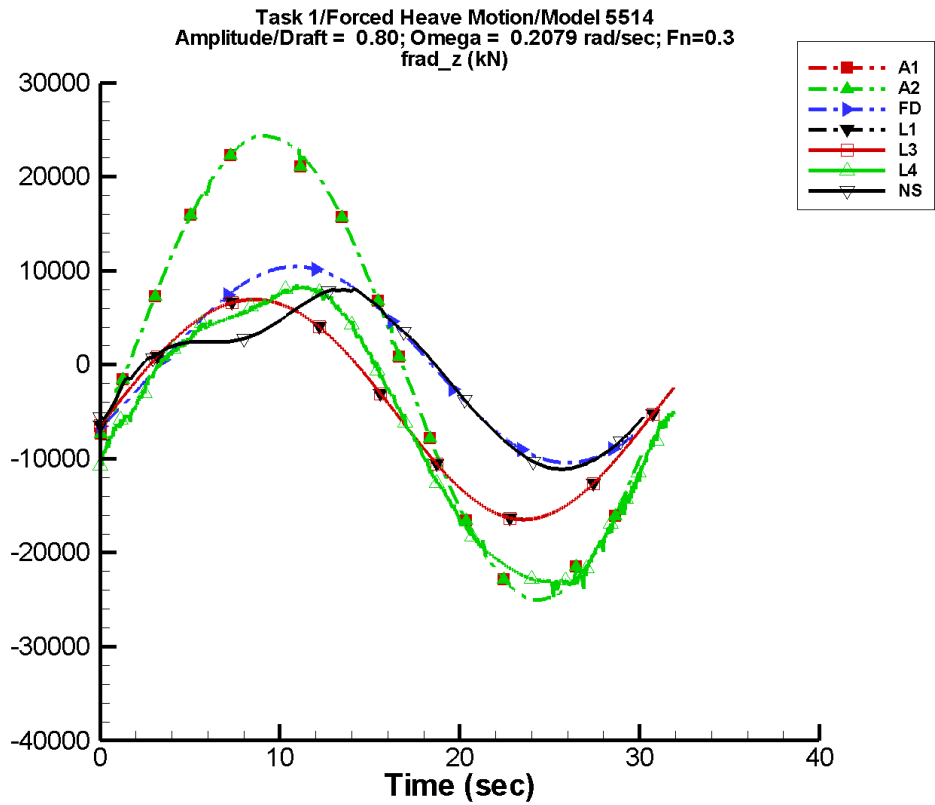
Table B–517. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-70.6	1.24E+04	-20	144.	-1
A2	-70.6	1.24E+04	-20	144.	-1
FD	7.50E-05	5.22E+03	-40	6.35E-04	-165
L1	-4.68E+03	5.85E+03	-11	72.5	80
L3	-4.68E+03	5.85E+03	-11	72.5	80
L4	-5.18E+03	8.37E+03	-21	702.	81
NF	—	—	—	—	—
NS	-233.	4.63E+03	-42	517.	58

Table B–518. Minimum and maximum of of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-1.25E+04	1.22E+04	-1.25E+04	1.22E+04
A2	-1.25E+04	1.22E+04	-1.25E+04	1.22E+04
FD	-5.22E+03	5.22E+03	-5.21E+03	5.21E+03
L1	-1.06E+04	1.10E+03	-1.06E+04	1.10E+03
L3	-1.06E+04	1.10E+03	-1.06E+04	1.10E+03
L4	-1.43E+04	7.91E+03	-1.42E+04	7.55E+03
NF	—	—	—	—
NS	-5.21E+03	4.42E+03	-5.15E+03	4.29E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-260. Time history of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

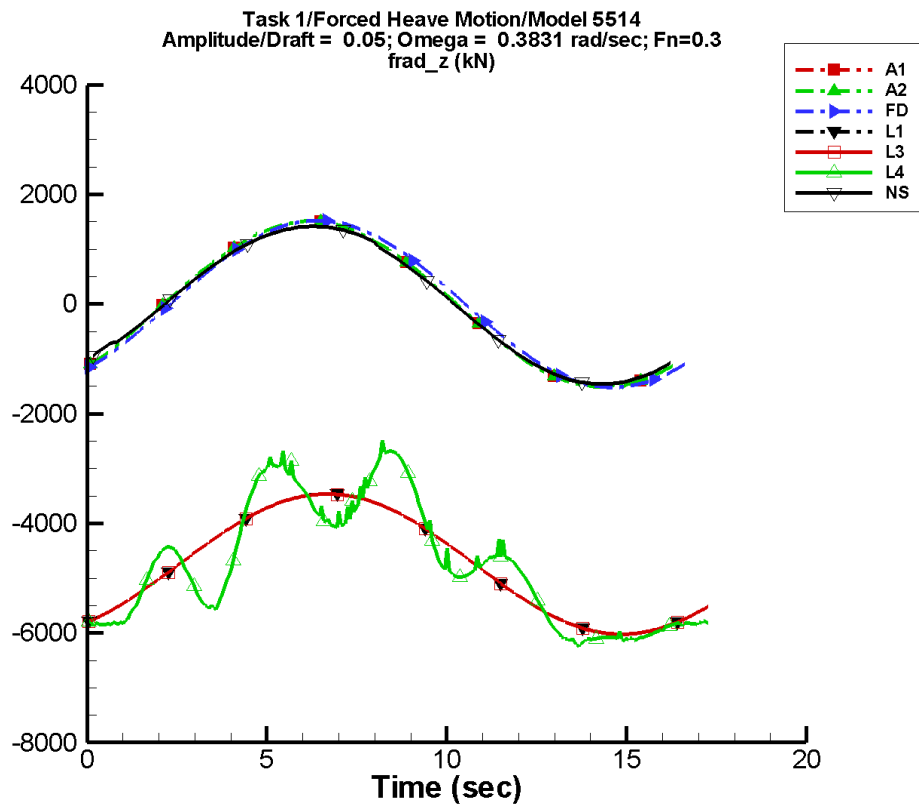
Table B–519. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-141.	2.47E+04	-20	287.	-1
A2	-141.	2.47E+04	-20	287.	-1
FD	3.64E-04	1.04E+04	-40	1.25E-03	-148
L1	-4.48E+03	1.17E+04	-11	290.	80
L3	-4.48E+03	1.17E+04	-11	290.	80
L4	-6.54E+03	1.56E+04	-22	1.92E+03	72
NF	—	—	—	—	—
NS	-953.	8.49E+03	-43	2.26E+03	52

Table B–520. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-2.50E+04	2.44E+04	-2.50E+04	2.43E+04
A2	-2.50E+04	2.44E+04	-2.50E+04	2.43E+04
FD	-1.04E+04	1.04E+04	-1.04E+04	1.04E+04
L1	-1.65E+04	6.94E+03	-1.65E+04	6.94E+03
L3	-1.65E+04	6.94E+03	-1.65E+04	6.94E+03
L4	-2.47E+04	8.53E+03	-2.34E+04	8.21E+03
NF	—	—	—	—
NS	-1.11E+04	8.22E+03	-1.10E+04	8.07E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-261. Time history of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

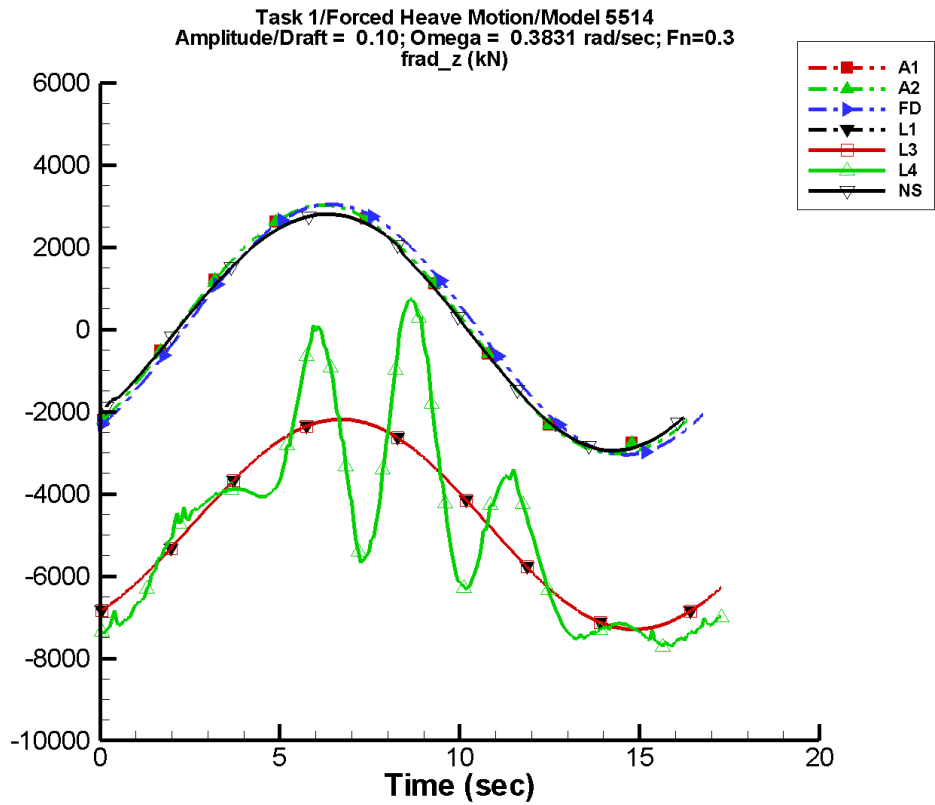
Table B–521. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-3.57	1.51E+03	-45	2.13	16
A2	-3.57	1.51E+03	-45	2.13	16
FD	-1.75E-04	1.52E+03	-51	2.12E-04	-88
L1	-4.74E+03	1.28E+03	-57	3.20	48
L3	-4.74E+03	1.28E+03	-57	3.22	48
L4	-4.72E+03	1.40E+03	-63	84.0	76
NF	—	—	—	—	—
NS	-23.1	1.43E+03	-46	24.8	119

Table B–522. Minimum and maximum of of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-1.52E+03	1.52E+03	-1.50E+03	1.51E+03
A2	-1.52E+03	1.52E+03	-1.50E+03	1.51E+03
FD	-1.52E+03	1.52E+03	-1.52E+03	1.52E+03
L1	-6.02E+03	-3.46E+03	-6.02E+03	-3.47E+03
L3	-6.02E+03	-3.47E+03	-6.02E+03	-3.47E+03
L4	-6.25E+03	-2.49E+03	-6.17E+03	-2.69E+03
NF	—	—	—	—
NS	-1.46E+03	1.42E+03	-1.45E+03	1.41E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-262. Time history of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

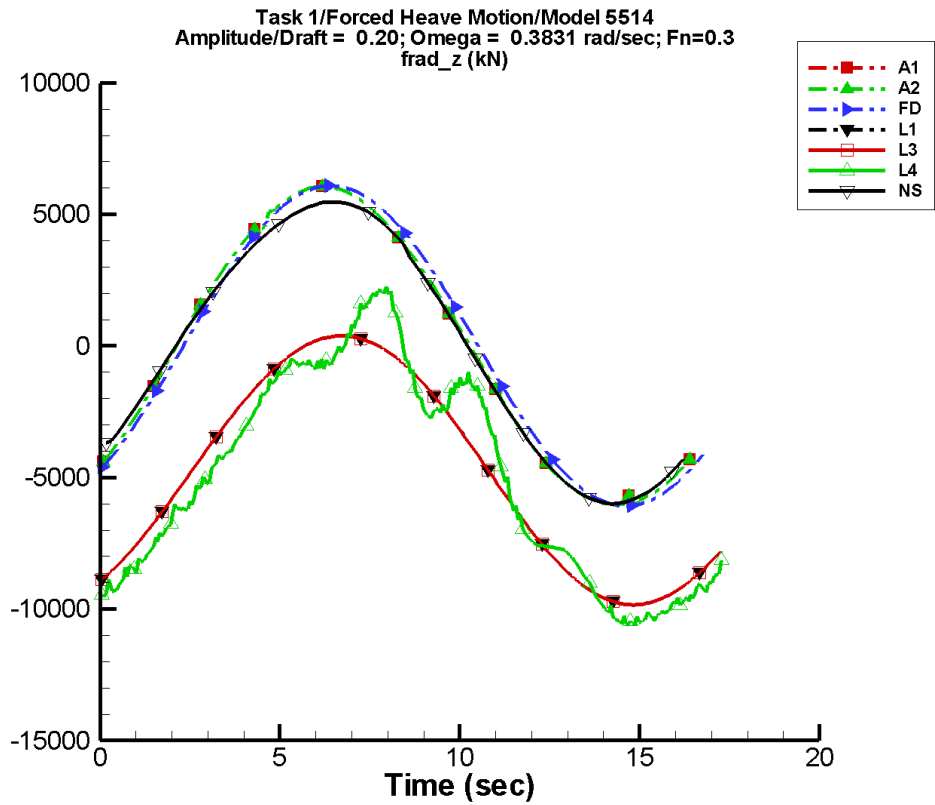
Table B–523. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-7.14	3.02E+03	-45	4.26	16
A2	-7.14	3.02E+03	-45	4.26	16
FD	-2.28E-04	3.04E+03	-51	4.53E-04	-95
L1	-4.74E+03	2.55E+03	-57	12.8	48
L3	-4.74E+03	2.55E+03	-57	12.8	48
L4	-4.77E+03	2.73E+03	-62	207.	-28
NF	—	—	—	—	—
NS	-57.0	2.86E+03	-46	59.1	97

Table B–524. Minimum and maximum of of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-3.04E+03	3.03E+03	-2.99E+03	3.02E+03
A2	-3.04E+03	3.03E+03	-2.99E+03	3.02E+03
FD	-3.04E+03	3.04E+03	-3.04E+03	3.03E+03
L1	-7.30E+03	-2.19E+03	-7.29E+03	-2.19E+03
L3	-7.30E+03	-2.19E+03	-7.29E+03	-2.19E+03
L4	-7.71E+03	738.	-7.65E+03	575.
NF	—	—	—	—
NS	-2.95E+03	2.81E+03	-2.92E+03	2.78E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-263. Time history of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

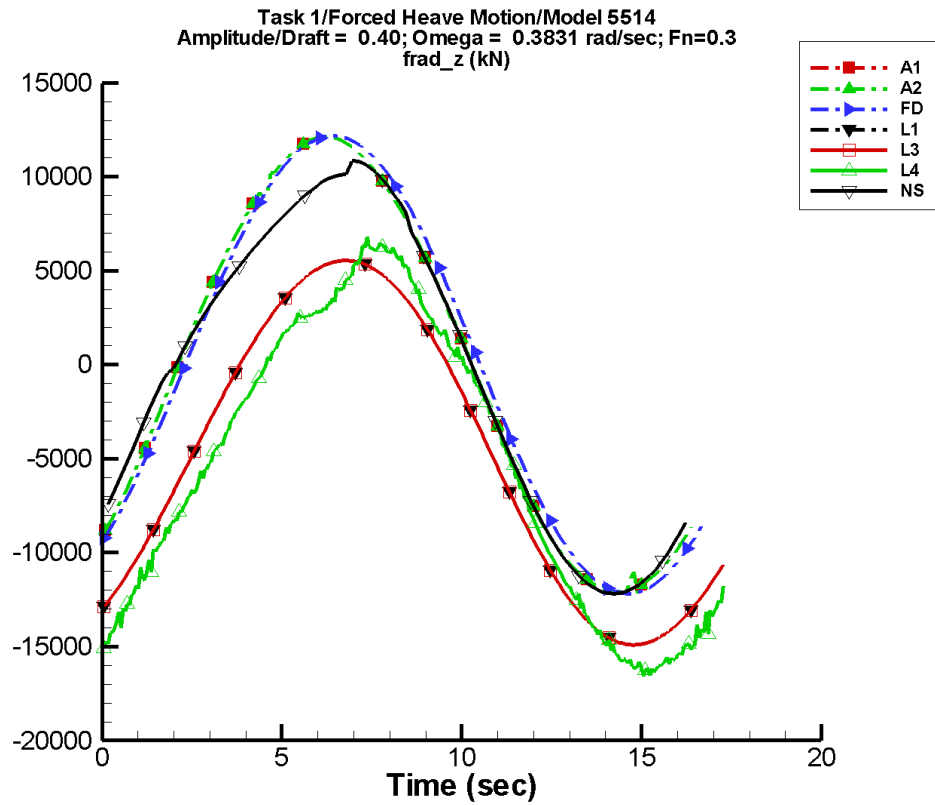
Table B–525. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-14.3	6.04E+03	-45	8.52	16
A2	-14.3	6.04E+03	-45	8.52	16
FD	-5.54E-04	6.09E+03	-51	9.11E-04	-99
L1	-4.71E+03	5.11E+03	-57	51.1	48
L3	-4.71E+03	5.11E+03	-57	51.2	48
L4	-4.82E+03	5.41E+03	-67	278.	48
NF	—	—	—	—	—
NS	-162.	5.68E+03	-46	209.	67

Table B–526. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-6.07E+03	6.06E+03	-5.98E+03	6.03E+03
A2	-6.07E+03	6.06E+03	-5.98E+03	6.03E+03
FD	-6.09E+03	6.09E+03	-6.08E+03	6.07E+03
L1	-9.84E+03	380.	-9.83E+03	374.
L3	-9.84E+03	380.	-9.83E+03	373.
L4	-1.06E+04	2.25E+03	-1.05E+04	2.05E+03
NF	—	—	—	—
NS	-5.99E+03	5.48E+03	-5.93E+03	5.42E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-264. Time history of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

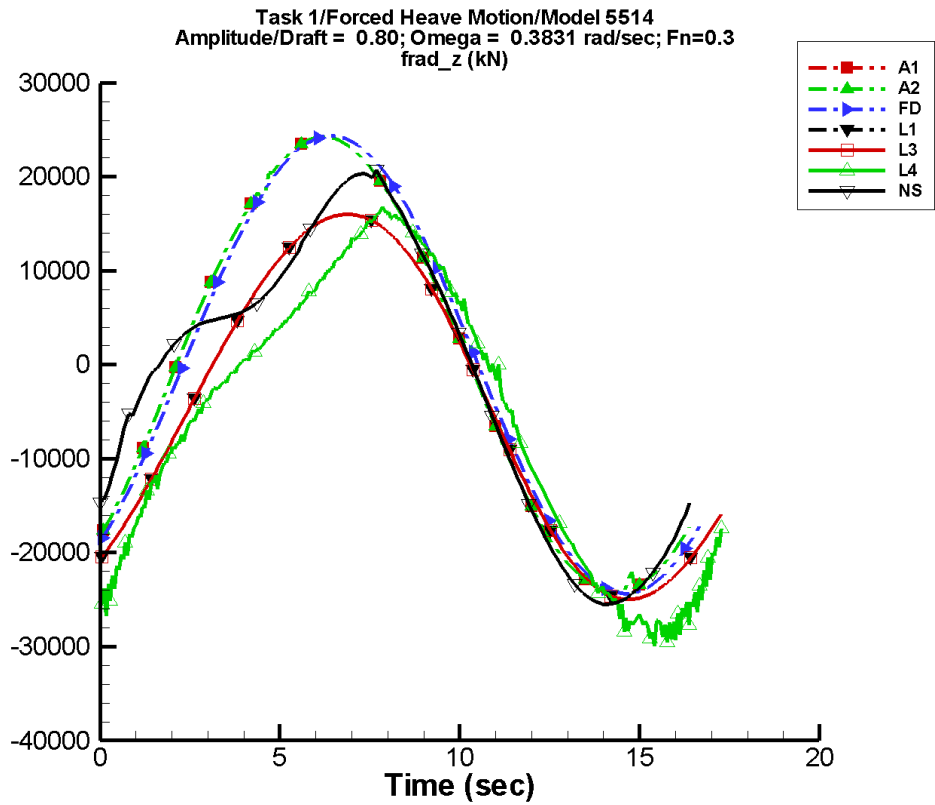
Table B–527. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-28.5	1.21E+04	-45	17.0	16
A2	-28.5	1.21E+04	-45	17.0	16
FD	-1.24E-03	1.22E+04	-51	1.93E-03	-100
L1	-4.62E+03	1.02E+04	-57	205.	48
L3	-4.62E+03	1.02E+04	-57	205.	48
L4	-5.09E+03	1.05E+04	-68	809.	23
NF	—	—	—	—	—
NS	-456.	1.10E+04	-47	1.12E+03	55

Table B–528. Minimum and maximum of of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-1.21E+04	1.21E+04	-1.20E+04	1.21E+04
A2	-1.21E+04	1.21E+04	-1.20E+04	1.21E+04
FD	-1.22E+04	1.22E+04	-1.22E+04	1.21E+04
L1	-1.49E+04	5.54E+03	-1.49E+04	5.53E+03
L3	-1.49E+04	5.54E+03	-1.49E+04	5.53E+03
L4	-1.66E+04	6.81E+03	-1.63E+04	6.30E+03
NF	—	—	—	—
NS	-1.22E+04	1.09E+04	-1.21E+04	1.05E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-265. Time history of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

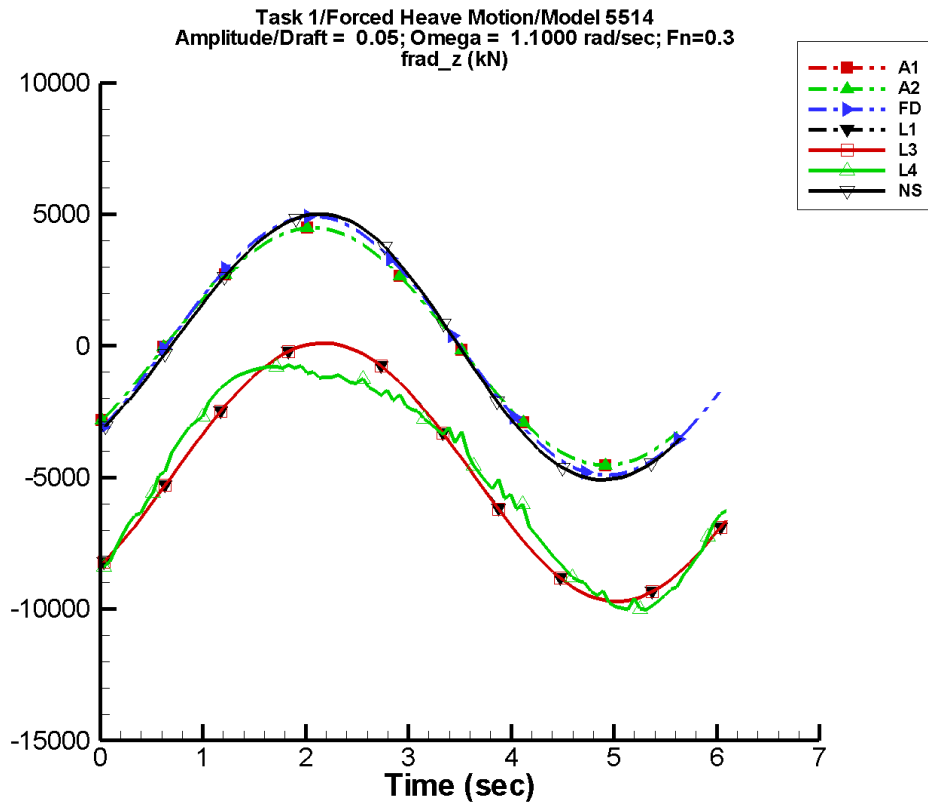
Table B–529. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-57.1	2.42E+04	-45	34.1	16
A2	-57.1	2.42E+04	-45	34.1	16
FD	-2.43E-03	2.44E+04	-51	3.88E-03	-97
L1	-4.23E+03	2.04E+04	-57	819.	48
L3	-4.23E+03	2.04E+04	-57	819.	48
L4	-5.40E+03	2.02E+04	-69	3.32E+03	10
NF	—	—	—	—	—
NS	-1.82E+03	2.03E+04	-48	4.84E+03	51

Table B–530. Minimum and maximum of of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-2.43E+04	2.42E+04	-2.39E+04	2.41E+04
A2	-2.43E+04	2.42E+04	-2.39E+04	2.41E+04
FD	-2.44E+04	2.44E+04	-2.43E+04	2.43E+04
L1	-2.50E+04	1.60E+04	-2.50E+04	1.60E+04
L3	-2.50E+04	1.60E+04	-2.50E+04	1.60E+04
L4	-2.99E+04	1.68E+04	-2.83E+04	1.62E+04
NF	—	—	—	—
NS	-2.55E+04	2.08E+04	-2.53E+04	2.02E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-266. Time history of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

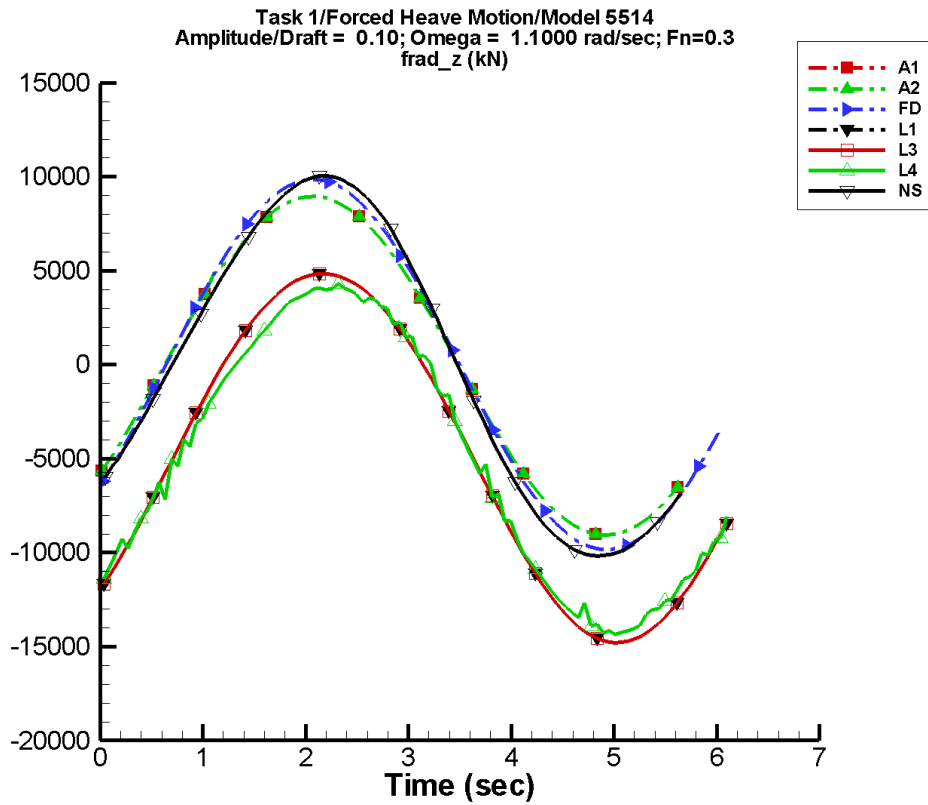
Table B–531. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-20.0	4.51E+03	-40	32.9	49
A2	-20.0	4.51E+03	-40	32.9	49
FD	-9.77E-05	4.93E+03	-41	9.48E-04	15
L1	-4.75E+03	4.92E+03	-47	45.2	-2
L3	-4.76E+03	4.92E+03	-47	45.0	-2
L4	-4.73E+03	4.48E+03	-46	895.	-38
NF	—	—	—	—	—
NS	-85.4	5.04E+03	-42	159.	118

Table B–532. Minimum and maximum of F_z^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-4.55E+03	4.48E+03	-4.41E+03	4.34E+03
A2	-4.55E+03	4.48E+03	-4.41E+03	4.34E+03
FD	-4.93E+03	4.92E+03	-4.78E+03	4.78E+03
L1	-9.71E+03	119.	-9.66E+03	69.9
L3	-9.72E+03	119.	-9.66E+03	69.4
L4	-1.00E+04	-725.	-9.88E+03	-817.
NF	—	—	—	—
NS	-5.09E+03	5.01E+03	-5.04E+03	4.96E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-267. Time history of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

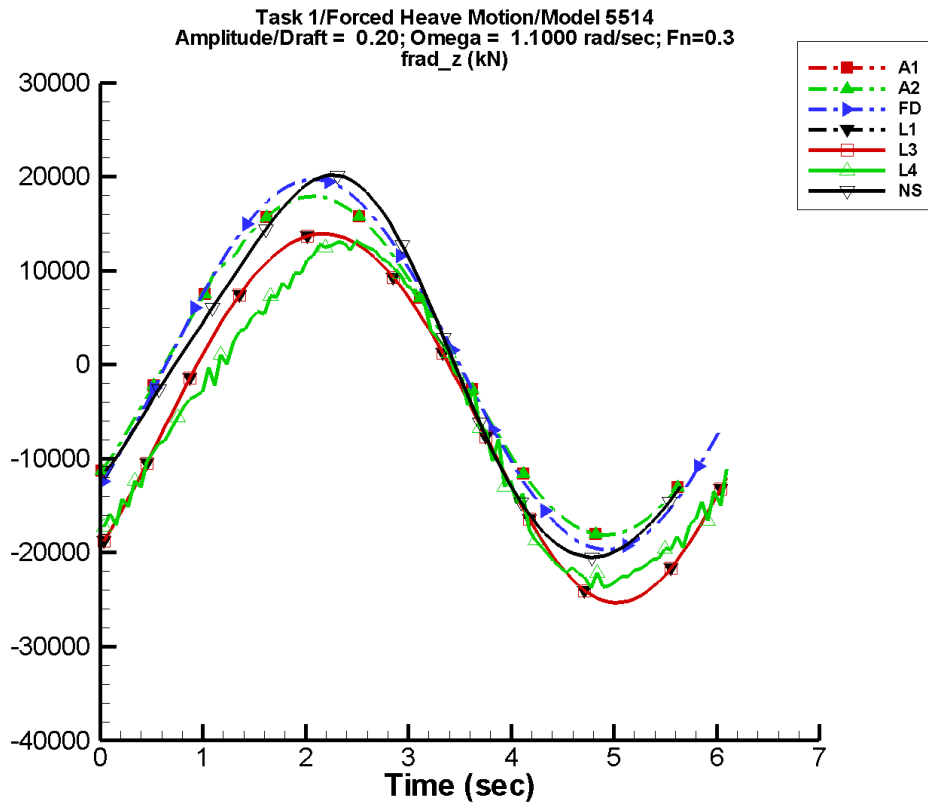
Table B–533. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-40.0	9.00E+03	-40	65.7	49
A2	-40.0	9.00E+03	-40	65.7	49
FD	-1.96E-04	9.86E+03	-41	2.09E-03	13
L1	-4.80E+03	9.82E+03	-47	181.	-3
L3	-4.80E+03	9.82E+03	-47	181.	-3
L4	-4.87E+03	9.11E+03	-49	380.	64
NF	—	—	—	—	—
NS	-249.	1.00E+04	-42	579.	116

Table B–534. Minimum and maximum of of F_z^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-9.08E+03	8.95E+03	-8.80E+03	8.67E+03
A2	-9.08E+03	8.95E+03	-8.80E+03	8.67E+03
FD	-9.86E+03	9.85E+03	-9.56E+03	9.56E+03
L1	-1.48E+04	4.84E+03	-1.47E+04	4.74E+03
L3	-1.48E+04	4.84E+03	-1.47E+04	4.74E+03
L4	-1.44E+04	4.32E+03	-1.41E+04	4.02E+03
NF	—	—	—	—
NS	-1.02E+04	1.01E+04	-1.01E+04	9.94E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-268. Time history of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

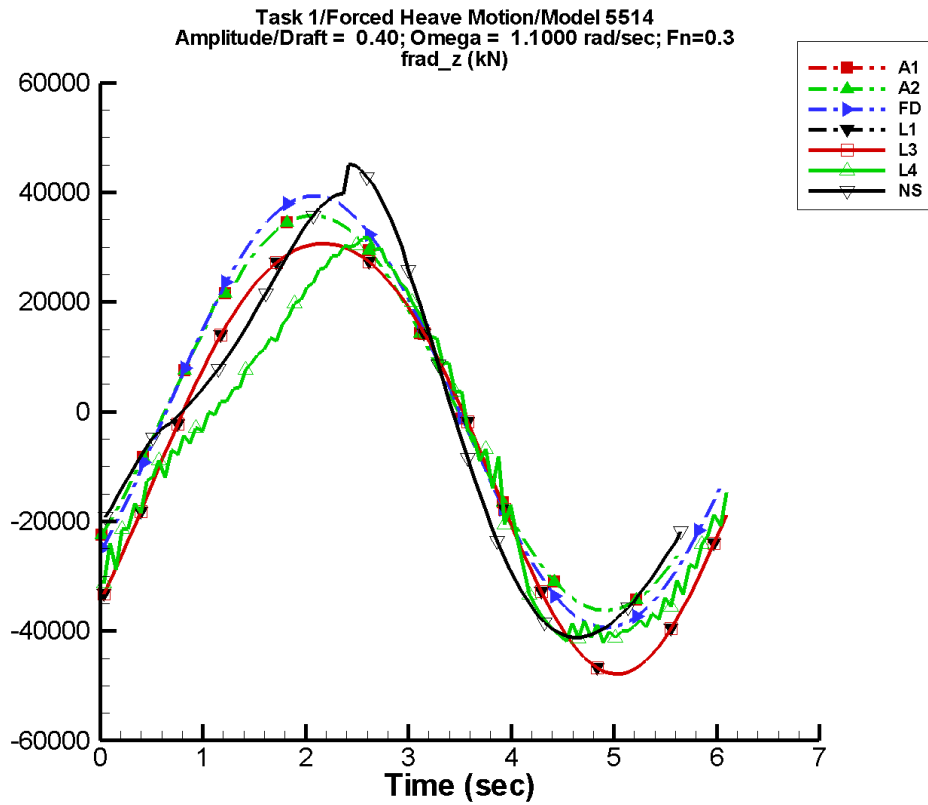
Table B–535. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-80.0	1.80E+04	-40	131.	49
A2	-80.0	1.80E+04	-40	131.	49
FD	-7.00E-04	1.97E+04	-41	4.49E-03	9
L1	-4.98E+03	1.96E+04	-47	725.	-3
L3	-4.98E+03	1.96E+04	-47	725.	-3
L4	-5.34E+03	1.78E+04	-51	1.83E+03	78
NF	—	—	—	—	—
NS	-887.	1.98E+04	-42	2.22E+03	112

Table B–536. Minimum and maximum of of F_z^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-1.82E+04	1.79E+04	-1.76E+04	1.73E+04
A2	-1.82E+04	1.79E+04	-1.76E+04	1.73E+04
FD	-1.97E+04	1.97E+04	-1.91E+04	1.91E+04
L1	-2.53E+04	1.39E+04	-2.51E+04	1.38E+04
L3	-2.53E+04	1.39E+04	-2.51E+04	1.38E+04
L4	-2.37E+04	1.33E+04	-2.29E+04	1.29E+04
NF	—	—	—	—
NS	-2.05E+04	2.02E+04	-2.03E+04	1.99E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-269. Time history of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

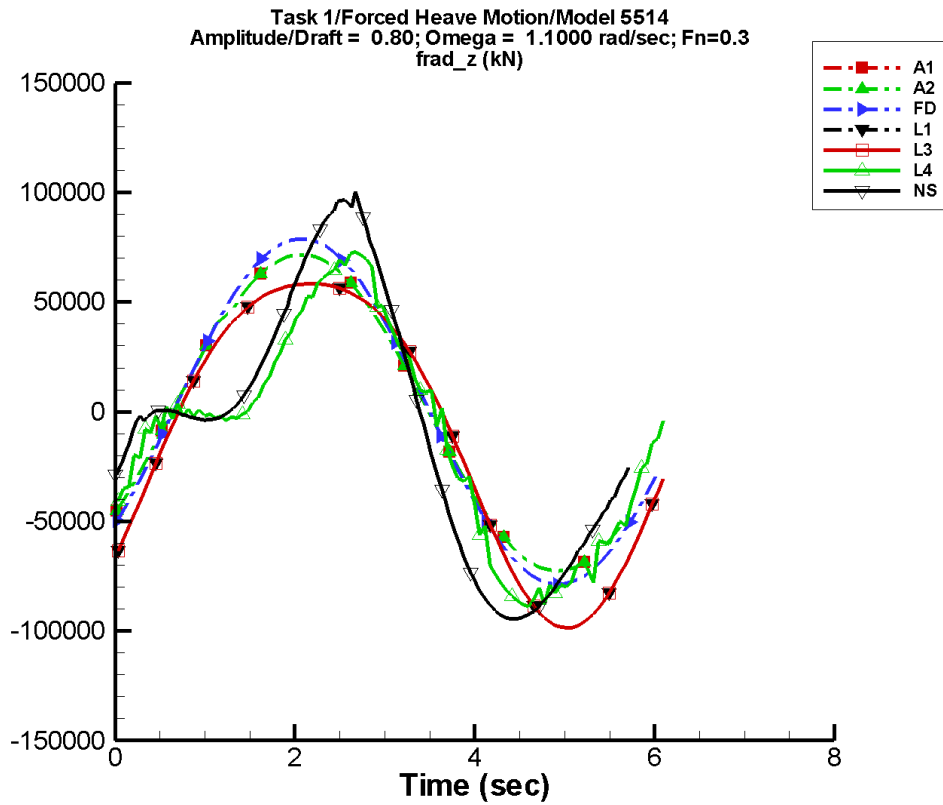
Table B–537. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-160.	3.60E+04	-40	263.	49
A2	-160.	3.60E+04	-40	263.	49
FD	-7.75E-04	3.94E+04	-41	9.77E-03	7
L1	-5.69E+03	3.93E+04	-47	2.90E+03	-4
L3	-5.69E+03	3.93E+04	-47	2.90E+03	-4
L4	-6.73E+03	3.42E+04	-53	6.45E+03	73
NF	—	—	—	—	—
NS	-2.21E+03	3.80E+04	-43	9.43E+03	104

Table B–538. Minimum and maximum of of F_z^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-3.63E+04	3.58E+04	-3.52E+04	3.47E+04
A2	-3.63E+04	3.58E+04	-3.52E+04	3.47E+04
FD	-3.94E+04	3.94E+04	-3.82E+04	3.83E+04
L1	-4.79E+04	3.07E+04	-4.73E+04	3.04E+04
L3	-4.79E+04	3.07E+04	-4.73E+04	3.04E+04
L4	-4.21E+04	3.32E+04	-4.04E+04	3.02E+04
NF	—	—	—	—
NS	-4.12E+04	4.55E+04	-4.07E+04	4.25E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-270. Time history of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

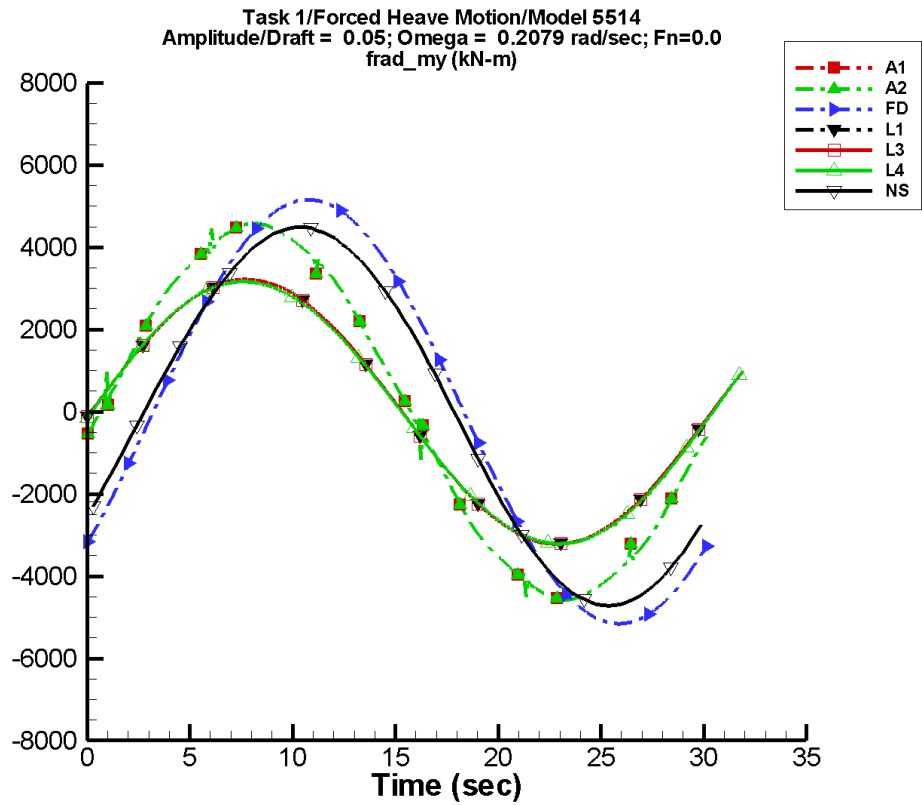
Table B–539. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN)	a_1 (kN)	Φ_1 (deg)	a_2 (kN)	Φ_2 (deg)
A1	-320.	7.20E+04	-40	525.	49
A2	-320.	7.20E+04	-40	525.	49
FD	-1.51E-03	7.89E+04	-41	1.94E-02	3
L1	-8.56E+03	7.85E+04	-47	1.16E+04	-4
L3	-8.56E+03	7.85E+04	-47	1.16E+04	-4
L4	-1.02E+04	6.41E+04	-48	2.56E+04	74
NF	—	—	—	—	—
NS	-7.44E+03	7.25E+04	-40	3.55E+04	100

Table B–540. Minimum and maximum of of F_z^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN)	Maximum (kN)	Minimum (kN)	Maximum (kN)
A1	-7.26E+04	7.16E+04	-7.04E+04	6.93E+04
A2	-7.26E+04	7.16E+04	-7.04E+04	6.93E+04
FD	-7.89E+04	7.88E+04	-7.64E+04	7.65E+04
L1	-9.87E+04	5.84E+04	-9.73E+04	5.81E+04
L3	-9.87E+04	5.84E+04	-9.73E+04	5.81E+04
L4	-8.91E+04	7.28E+04	-8.55E+04	6.85E+04
NF	—	—	—	—
NS	-9.46E+04	1.01E+05	-9.39E+04	9.58E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-271. Time history of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

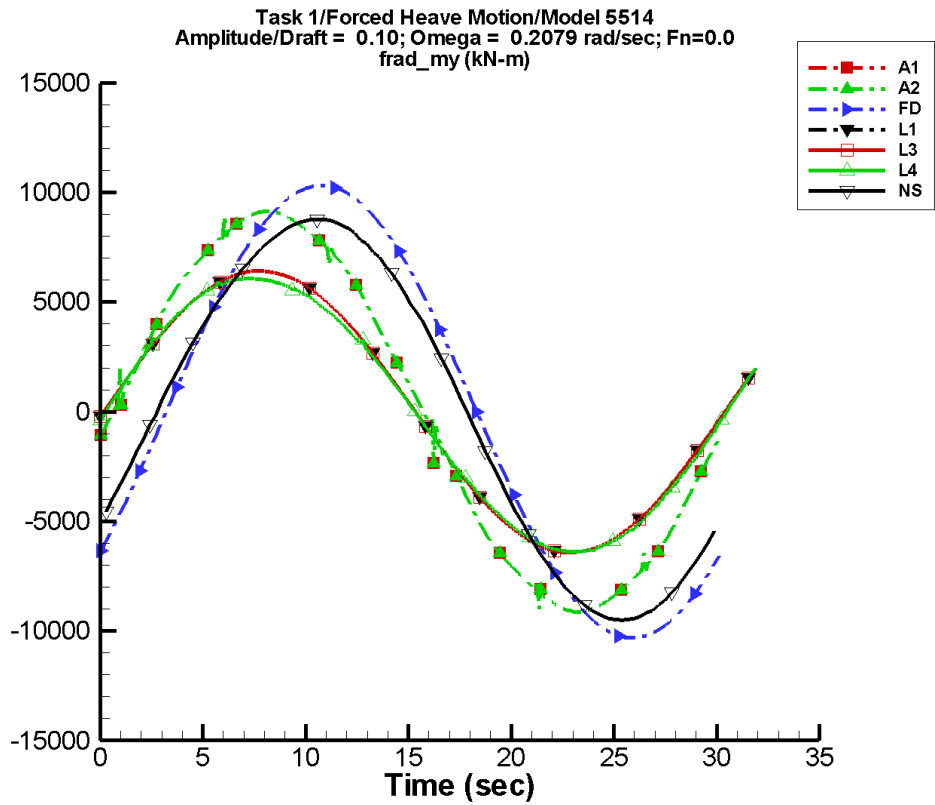
Table B–541. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-0.485	4.53E+03	-7	2.02	169
A2	-0.485	4.53E+03	-7	2.02	169
FD	6.96E-05	5.16E+03	-38	3.06E-04	-107
L1	4.40	3.22E+03	-2	5.31	88
L3	4.40	3.22E+03	-2	5.31	88
L4	-18.0	3.20E+03	-2	45.6	4
NF	—	—	—	—	—
NS	-31.5	4.60E+03	-33	61.1	62

Table B–542. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-4.57E+03	4.58E+03	-4.57E+03	4.57E+03
A2	-4.57E+03	4.58E+03	-4.57E+03	4.57E+03
FD	-5.16E+03	5.16E+03	-5.15E+03	5.15E+03
L1	-3.21E+03	3.22E+03	-3.21E+03	3.22E+03
L3	-3.21E+03	3.22E+03	-3.21E+03	3.22E+03
L4	-3.21E+03	3.16E+03	-3.21E+03	3.16E+03
NF	—	—	—	—
NS	-4.72E+03	4.56E+03	-4.67E+03	4.51E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-272. Time history of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

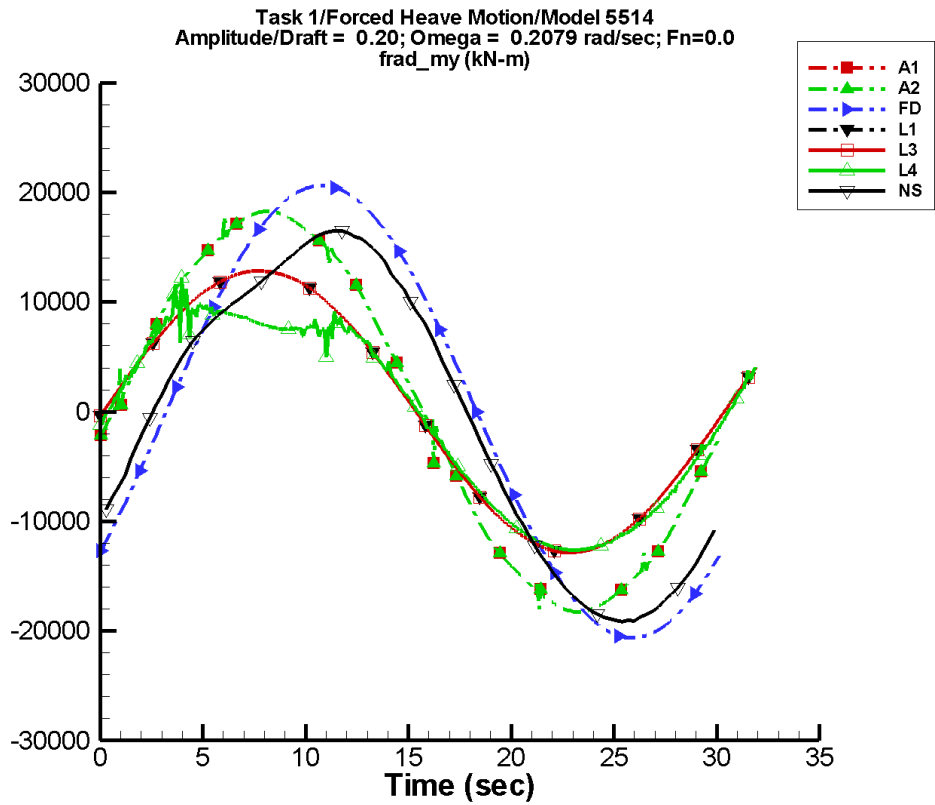
Table B-543. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-0.968	9.05E+03	-7	4.03	169
A2	-0.968	9.05E+03	-7	4.03	169
FD	-1.03E-03	1.03E+04	-38	3.61E-04	-100
L1	17.6	6.42E+03	-2	19.4	87
L3	17.6	6.42E+03	-2	19.4	87
L4	-87.4	6.28E+03	-2	198.	16
NF	—	—	—	—	—
NS	-129.	9.13E+03	-33	226.	63

Table B-544. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-9.13E+03	9.14E+03	-9.12E+03	9.13E+03
A2	-9.13E+03	9.14E+03	-9.12E+03	9.13E+03
FD	-1.03E+04	1.03E+04	-1.03E+04	1.03E+04
L1	-6.41E+03	6.43E+03	-6.41E+03	6.42E+03
L3	-6.41E+03	6.43E+03	-6.41E+03	6.42E+03
L4	-6.39E+03	6.07E+03	-6.38E+03	6.07E+03
NF	—	—	—	—
NS	-9.51E+03	8.92E+03	-9.41E+03	8.84E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-273. Time history of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

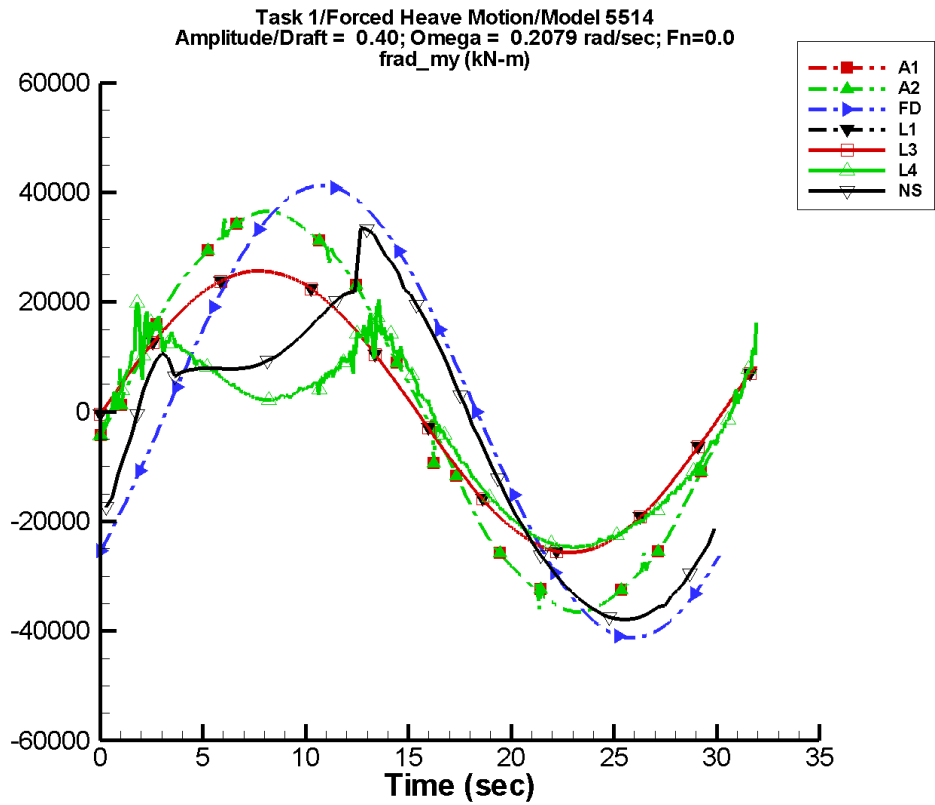
Table B–545. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-1.94	1.81E+04	-7	8.05	169
A2	-1.94	1.81E+04	-7	8.05	169
FD	-1.58E-03	2.06E+04	-38	7.23E-04	-100
L1	70.6	1.28E+04	-2	74.3	86
L3	70.6	1.28E+04	-2	74.3	86
L4	-730.	1.13E+04	-3	1.59E+03	57
NF	—	—	—	—	—
NS	-681.	1.75E+04	-34	1.32E+03	65

Table B–546. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.83E+04	1.83E+04	-1.82E+04	1.83E+04
A2	-1.83E+04	1.83E+04	-1.82E+04	1.83E+04
FD	-2.06E+04	2.06E+04	-2.06E+04	2.06E+04
L1	-1.28E+04	1.28E+04	-1.28E+04	1.28E+04
L3	-1.28E+04	1.28E+04	-1.28E+04	1.28E+04
L4	-1.26E+04	1.22E+04	-1.26E+04	1.01E+04
NF	—	—	—	—
NS	-1.92E+04	1.68E+04	-1.89E+04	1.66E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-274. Time history of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

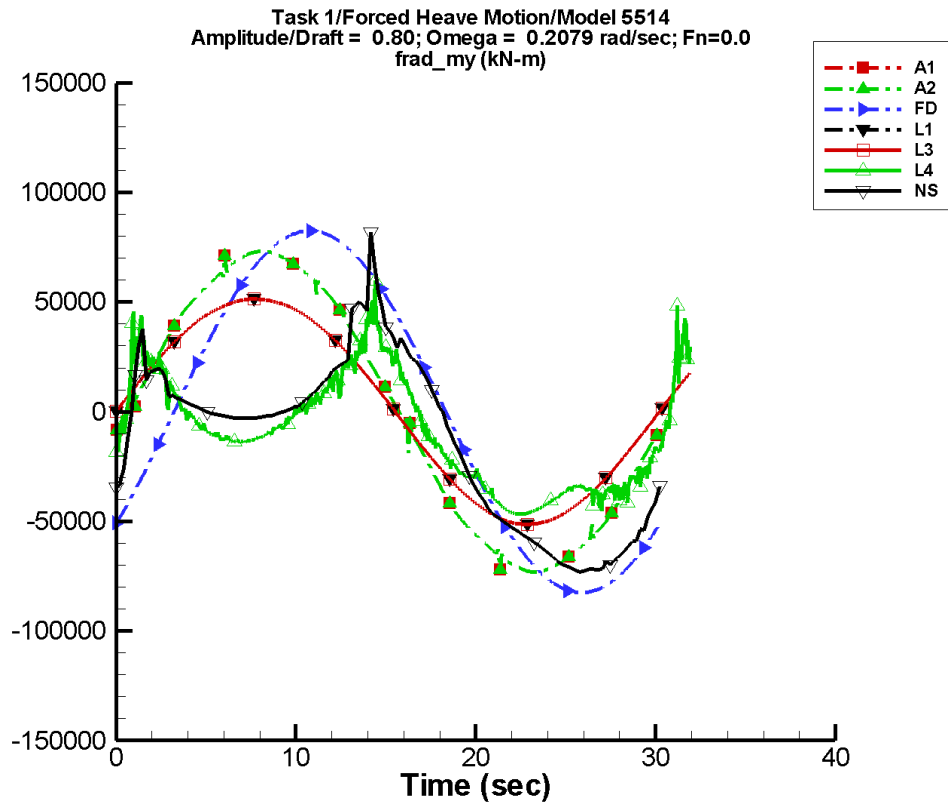
Table B-547. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-3.88	3.62E+04	-7	16.1	169
A2	-3.88	3.62E+04	-7	16.1	169
FD	-2.17E-03	4.13E+04	-38	3.44E-03	-108
L1	282.	2.57E+04	-2	290.	86
L3	282.	2.57E+04	-2	290.	86
L4	-3.71E+03	1.68E+04	-7	8.18E+03	70
NF	—	—	—	—	—
NS	-4.23E+03	2.92E+04	-37	8.29E+03	62

Table B-548. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-3.65E+04	3.66E+04	-3.65E+04	3.65E+04
A2	-3.65E+04	3.66E+04	-3.65E+04	3.65E+04
FD	-4.13E+04	4.13E+04	-4.12E+04	4.12E+04
L1	-2.57E+04	2.57E+04	-2.56E+04	2.57E+04
L3	-2.57E+04	2.57E+04	-2.56E+04	2.57E+04
L4	-2.50E+04	2.10E+04	-2.47E+04	1.60E+04
NF	—	—	—	—
NS	-3.79E+04	3.40E+04	-3.75E+04	2.93E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-275. Time history of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

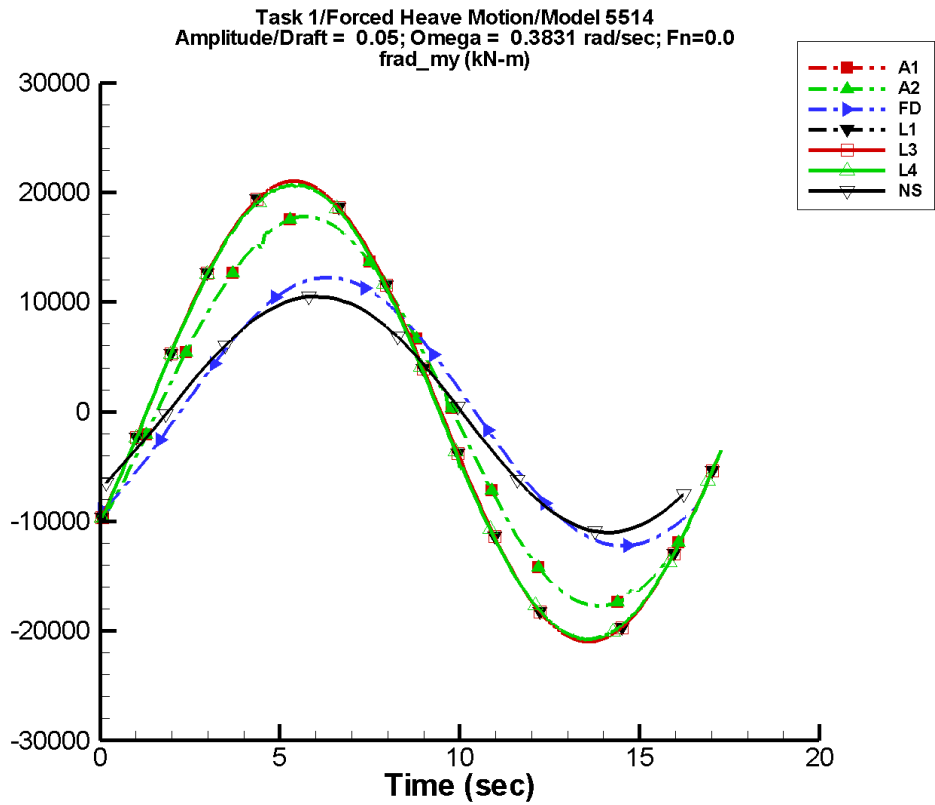
Table B–549. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-7.75	7.24E+04	-7	32.2	169
A2	-7.75	7.24E+04	-7	32.2	169
FD	-5.49E-03	8.25E+04	-38	5.07E-03	-92
L1	1.13E+03	5.14E+04	-2	1.15E+03	85
L3	1.13E+03	5.14E+04	-2	1.15E+03	85
L4	-1.00E+04	2.34E+04	-23	2.20E+04	80
NF	—	—	—	—	—
NS	-1.33E+04	4.40E+04	-40	2.49E+04	57

Table B–550. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-7.31E+04	7.31E+04	-7.29E+04	7.30E+04
A2	-7.31E+04	7.31E+04	-7.29E+04	7.30E+04
FD	-8.25E+04	8.25E+04	-8.24E+04	8.24E+04
L1	-5.13E+04	5.14E+04	-5.13E+04	5.14E+04
L3	-5.13E+04	5.14E+04	-5.13E+04	5.14E+04
L4	-4.67E+04	5.98E+04	-4.67E+04	4.62E+04
NF	—	—	—	—
NS	-7.31E+04	8.19E+04	-7.21E+04	5.50E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-276. Time history of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

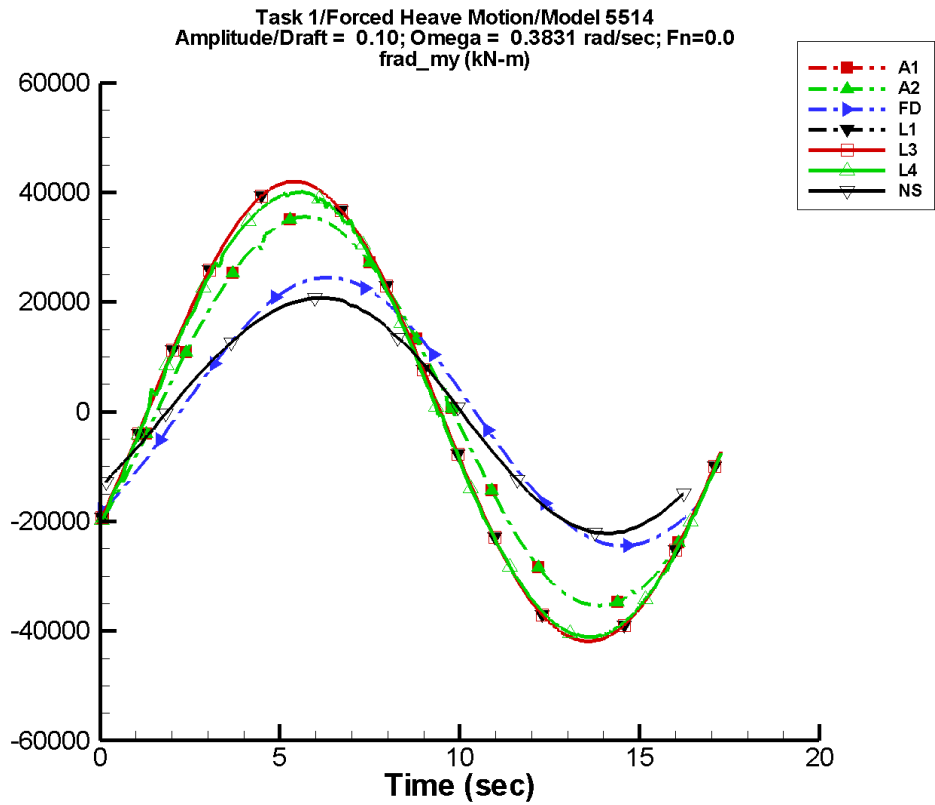
Table B–551. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-10.7	1.78E+04	-35	50.7	29
A2	-10.7	1.78E+04	-35	50.7	29
FD	-1.38E-03	1.22E+04	-49	3.19E-03	-46
L1	-46.7	2.10E+04	-28	74.1	-179
L3	-46.7	2.10E+04	-28	74.1	-179
L4	-157.	2.08E+04	-28	135.	-161
NF	—	—	—	—	—
NS	-117.	1.07E+04	-41	158.	63

Table B–552. Minimum and maximum of of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.77E+04	1.78E+04	-1.77E+04	1.77E+04
A2	-1.77E+04	1.78E+04	-1.77E+04	1.77E+04
FD	-1.22E+04	1.22E+04	-1.22E+04	1.22E+04
L1	-2.10E+04	2.10E+04	-2.09E+04	2.10E+04
L3	-2.10E+04	2.10E+04	-2.09E+04	2.10E+04
L4	-2.08E+04	2.07E+04	-2.07E+04	2.06E+04
NF	—	—	—	—
NS	-1.10E+04	1.06E+04	-1.09E+04	1.04E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-277. Time history of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

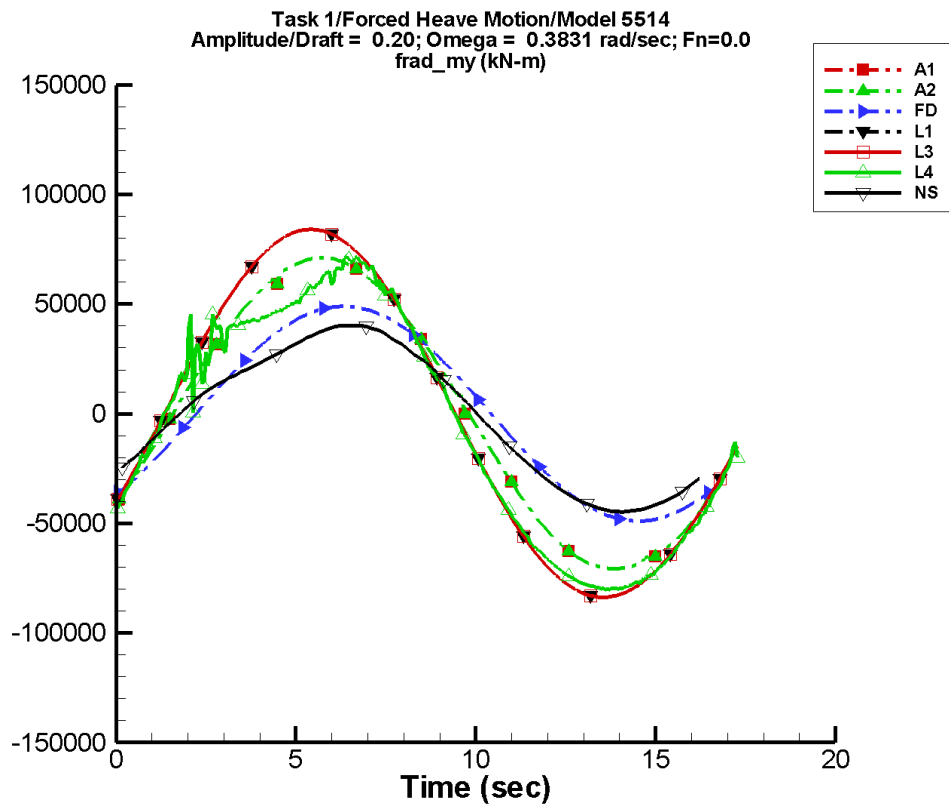
Table B–553. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-21.3	3.55E+04	-35	101.	29
A2	-21.3	3.55E+04	-35	101.	29
FD	-2.22E-03	2.45E+04	-49	5.52E-03	-44
L1	-196.	4.19E+04	-28	290.	179
L3	-196.	4.19E+04	-28	290.	179
L4	-738.	4.08E+04	-28	295.	162
NF	—	—	—	—	—
NS	-351.	2.14E+04	-41	564.	65

Table B–554. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-3.54E+04	3.56E+04	-3.53E+04	3.54E+04
A2	-3.54E+04	3.56E+04	-3.53E+04	3.54E+04
FD	-2.45E+04	2.45E+04	-2.45E+04	2.44E+04
L1	-4.19E+04	4.20E+04	-4.18E+04	4.20E+04
L3	-4.19E+04	4.20E+04	-4.18E+04	4.20E+04
L4	-4.11E+04	4.01E+04	-4.11E+04	4.00E+04
NF	—	—	—	—
NS	-2.22E+04	2.09E+04	-2.20E+04	2.06E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-278. Time history of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

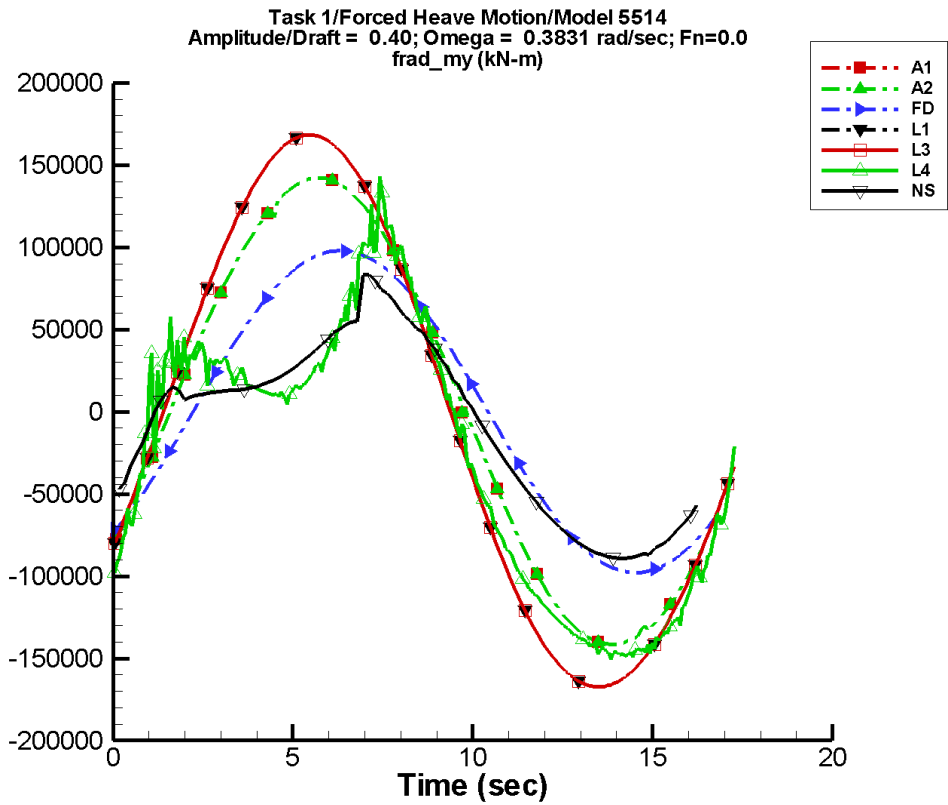
Table B–555. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-42.7	7.09E+04	-35	203.	29
A2	-42.7	7.09E+04	-35	203.	29
FD	-4.77E-03	4.90E+04	-49	1.02E-02	-48
L1	-804.	8.39E+04	-28	1.15E+03	178
L3	-804.	8.39E+04	-28	1.15E+03	178
L4	-5.80E+03	7.32E+04	-31	6.01E+03	69
NF	—	—	—	—	—
NS	-1.51E+03	4.12E+04	-42	3.09E+03	65

Table B–556. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-7.07E+04	7.11E+04	-7.05E+04	7.08E+04
A2	-7.07E+04	7.11E+04	-7.05E+04	7.08E+04
FD	-4.90E+04	4.90E+04	-4.89E+04	4.88E+04
L1	-8.37E+04	8.41E+04	-8.36E+04	8.39E+04
L3	-8.37E+04	8.41E+04	-8.36E+04	8.39E+04
L4	-8.05E+04	7.18E+04	-7.99E+04	7.02E+04
NF	—	—	—	—
NS	-4.50E+04	4.05E+04	-4.42E+04	3.99E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-279. Time history of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

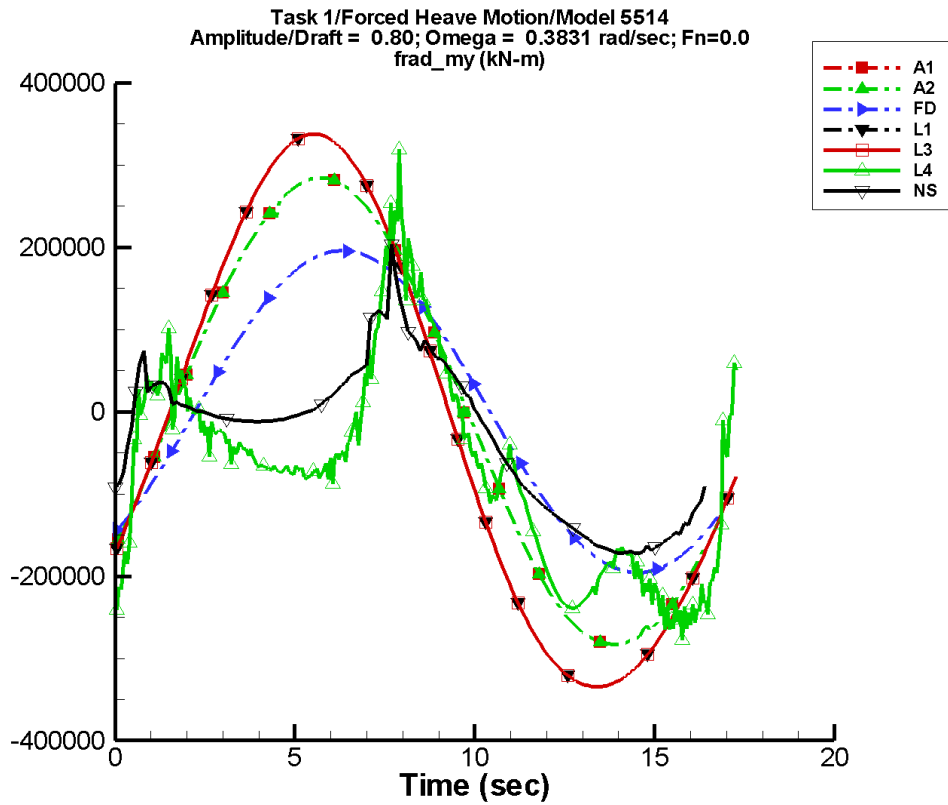
Table B–557. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-85.4	1.42E+05	-35	405.	29
A2	-85.4	1.42E+05	-35	405.	29
FD	-1.12E-02	9.79E+04	-49	2.15E-02	-45
L1	-3.26E+03	1.68E+05	-28	4.58E+03	177
L3	-3.26E+03	1.68E+05	-28	4.58E+03	177
L4	-2.75E+04	1.07E+05	-36	3.59E+04	51
NF	—	—	—	—	—
NS	-9.43E+03	6.91E+04	-45	1.93E+04	58

Table B–558. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.41E+05	1.42E+05	-1.41E+05	1.42E+05
A2	-1.41E+05	1.42E+05	-1.41E+05	1.42E+05
FD	-9.79E+04	9.79E+04	-9.79E+04	9.76E+04
L1	-1.67E+05	1.68E+05	-1.67E+05	1.68E+05
L3	-1.67E+05	1.68E+05	-1.67E+05	1.68E+05
L4	-1.50E+05	1.43E+05	-1.48E+05	1.20E+05
NF	—	—	—	—
NS	-8.93E+04	8.33E+04	-8.83E+04	7.16E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-280. Time history of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

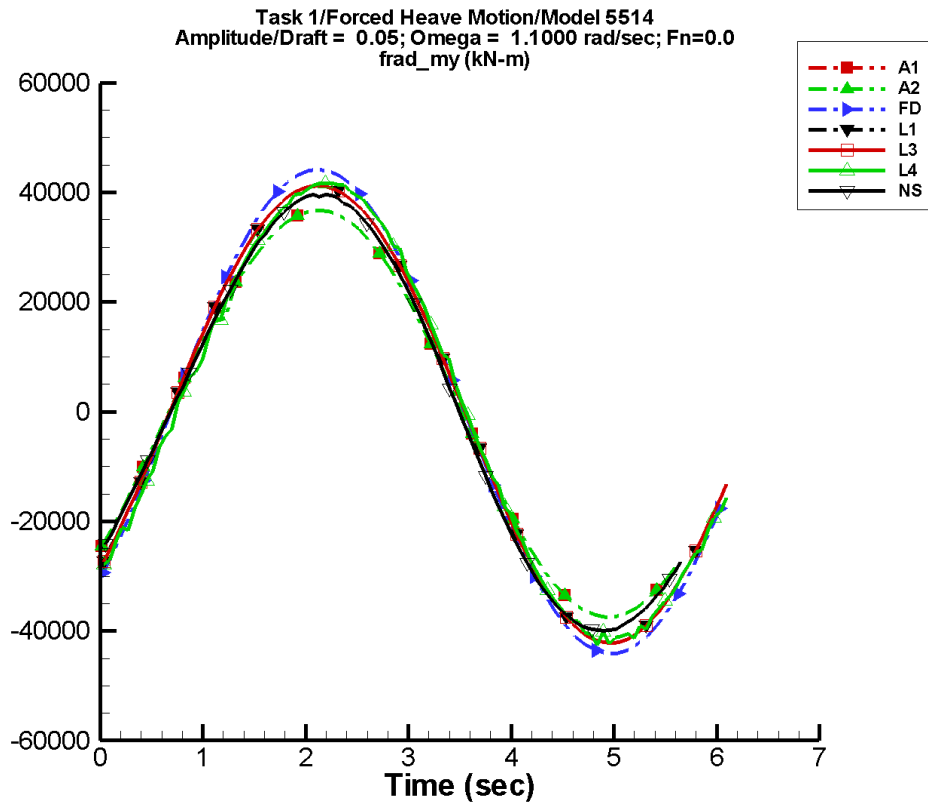
Table B–559. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-171.	2.84E+05	-35	811.	29
A2	-171.	2.84E+05	-35	811.	29
FD	-2.23E-02	1.96E+05	-49	3.79E-02	-57
L1	-1.31E+04	3.35E+05	-28	1.83E+04	177
L3	-1.31E+04	3.35E+05	-28	1.83E+04	177
L4	-6.68E+04	1.25E+05	-50	9.09E+04	44
NF	—	—	—	—	—
NS	-3.09E+04	1.05E+05	-46	5.98E+04	52

Table B–560. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-2.83E+05	2.84E+05	-2.82E+05	2.83E+05
A2	-2.83E+05	2.84E+05	-2.82E+05	2.83E+05
FD	-1.96E+05	1.96E+05	-1.96E+05	1.95E+05
L1	-3.34E+05	3.38E+05	-3.34E+05	3.37E+05
L3	-3.34E+05	3.38E+05	-3.34E+05	3.37E+05
L4	-2.78E+05	3.19E+05	-2.54E+05	2.35E+05
NF	—	—	—	—
NS	-1.73E+05	2.03E+05	-1.72E+05	1.36E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-281. Time history of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

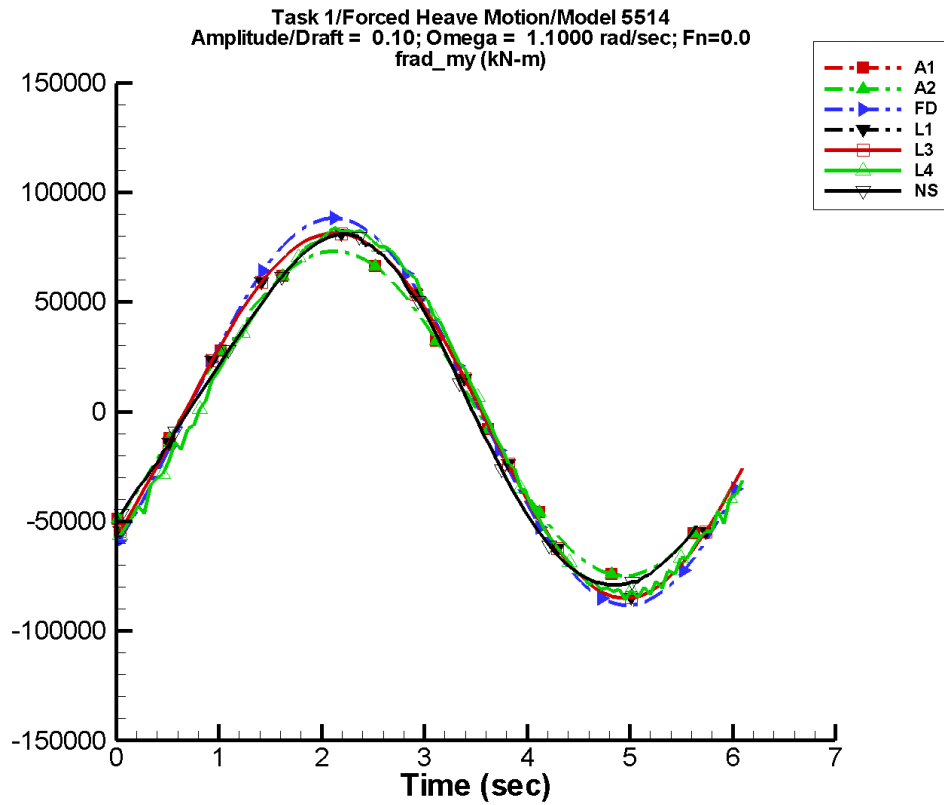
Table B-561. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-364.	3.69E+04	-43	616.	80
A2	-364.	3.69E+04	-43	616.	80
FD	-2.43E-03	4.42E+04	-44	1.21E-02	-3
L1	-43.3	4.17E+04	-43	443.	23
L3	-43.3	4.17E+04	-43	443.	23
L4	-287.	4.16E+04	-46	1.07E+03	113
NF	—	—	—	—	—
NS	-584.	3.96E+04	-42	1.49E+03	113

Table B-562. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-3.75E+04	3.67E+04	-3.63E+04	3.56E+04
A2	-3.75E+04	3.67E+04	-3.63E+04	3.56E+04
FD	-4.41E+04	4.42E+04	-4.28E+04	4.29E+04
L1	-4.22E+04	4.13E+04	-4.17E+04	4.09E+04
L3	-4.22E+04	4.13E+04	-4.17E+04	4.09E+04
L4	-4.26E+04	4.19E+04	-4.11E+04	4.14E+04
NF	—	—	—	—
NS	-3.99E+04	3.97E+04	-3.95E+04	3.93E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-282. Time history of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

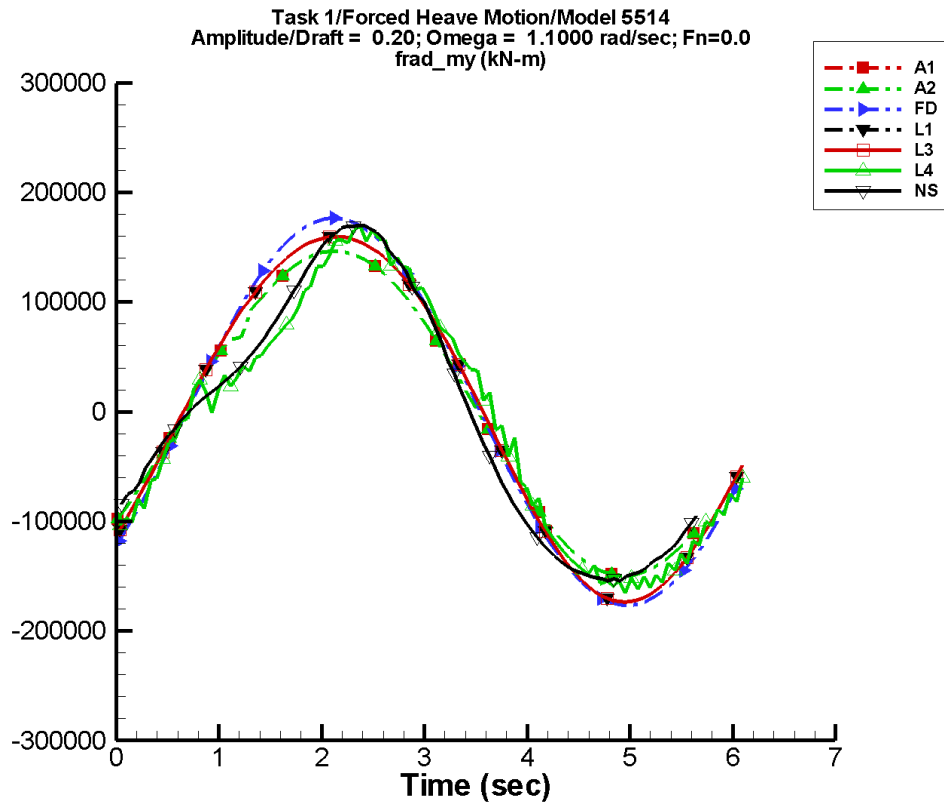
Table B-563. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-727.	7.38E+04	-43	1.23E+03	80
A2	-727.	7.38E+04	-43	1.23E+03	80
FD	-4.79E-03	8.84E+04	-44	2.12E-02	-9
L1	-178.	8.33E+04	-43	1.67E+03	23
L3	-178.	8.33E+04	-43	1.67E+03	23
L4	-1.56E+03	8.25E+04	-47	3.92E+03	106
NF	—	—	—	—	—
NS	-1.66E+03	7.87E+04	-42	5.99E+03	117

Table B-564. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.0 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-7.49E+04	7.33E+04	-7.26E+04	7.11E+04
A2	-7.49E+04	7.33E+04	-7.26E+04	7.11E+04
FD	-8.82E+04	8.84E+04	-8.55E+04	8.58E+04
L1	-8.51E+04	8.17E+04	-8.41E+04	8.09E+04
L3	-8.51E+04	8.17E+04	-8.41E+04	8.09E+04
L4	-8.59E+04	8.42E+04	-8.24E+04	8.17E+04
NF	—	—	—	—
NS	-7.91E+04	8.16E+04	-7.84E+04	8.01E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-283. Time history of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

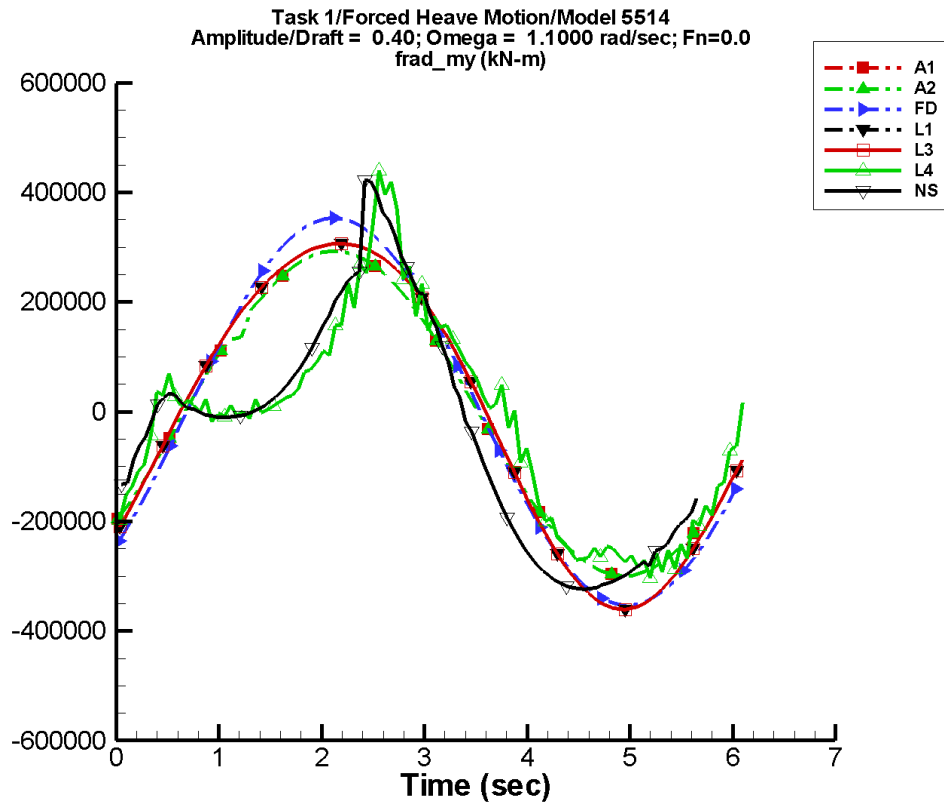
Table B–565. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-1.45E+03	1.48E+05	-43	2.46E+03	80
A2	-1.45E+03	1.48E+05	-43	2.46E+03	80
FD	-9.84E-03	1.77E+05	-44	4.84E-02	3
L1	-725.	1.67E+05	-43	6.51E+03	24
L3	-725.	1.67E+05	-43	6.51E+03	24
L4	-5.28E+03	1.51E+05	-52	2.11E+04	75
NF	—	—	—	—	—
NS	-5.91E+03	1.51E+05	-43	2.75E+04	112

Table B–566. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.50E+05	1.47E+05	-1.45E+05	1.42E+05
A2	-1.50E+05	1.47E+05	-1.45E+05	1.42E+05
FD	-1.76E+05	1.77E+05	-1.71E+05	1.72E+05
L1	-1.74E+05	1.60E+05	-1.71E+05	1.59E+05
L3	-1.74E+05	1.60E+05	-1.71E+05	1.59E+05
L4	-1.66E+05	1.74E+05	-1.57E+05	1.60E+05
NF	—	—	—	—
NS	-1.55E+05	1.73E+05	-1.52E+05	1.69E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-284. Time history of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

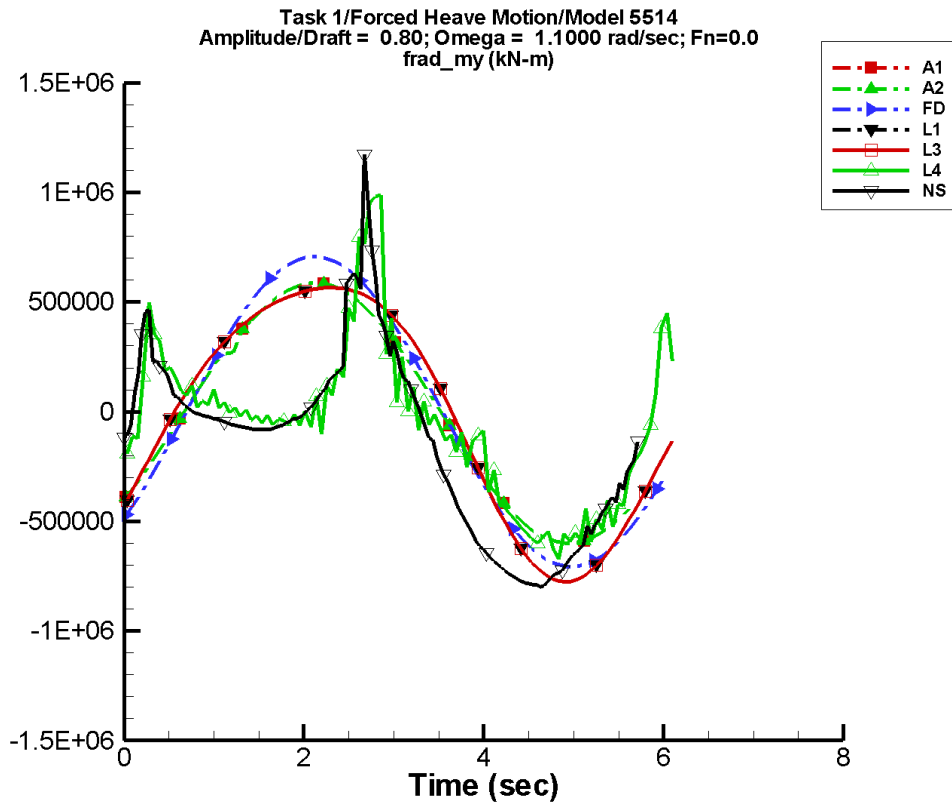
Table B–567. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-2.91E+03	2.95E+05	-43	4.92E+03	80
A2	-2.91E+03	2.95E+05	-43	4.92E+03	80
FD	-1.38E-02	3.53E+05	-44	8.40E-02	-1
L1	-2.92E+03	3.33E+05	-43	2.56E+04	24
L3	-2.92E+03	3.33E+05	-43	2.56E+04	24
L4	-1.38E+04	2.41E+05	-58	1.02E+05	63
NF	—	—	—	—	—
NS	-3.99E+04	2.60E+05	-43	1.14E+05	91

Table B–568. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-2.99E+05	2.93E+05	-2.90E+05	2.84E+05
A2	-2.99E+05	2.93E+05	-2.90E+05	2.84E+05
FD	-3.53E+05	3.53E+05	-3.42E+05	3.43E+05
L1	-3.61E+05	3.07E+05	-3.56E+05	3.05E+05
L3	-3.61E+05	3.07E+05	-3.56E+05	3.05E+05
L4	-3.03E+05	4.40E+05	-2.76E+05	3.38E+05
NF	—	—	—	—
NS	-3.28E+05	4.22E+05	-3.24E+05	3.49E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-285. Time history of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

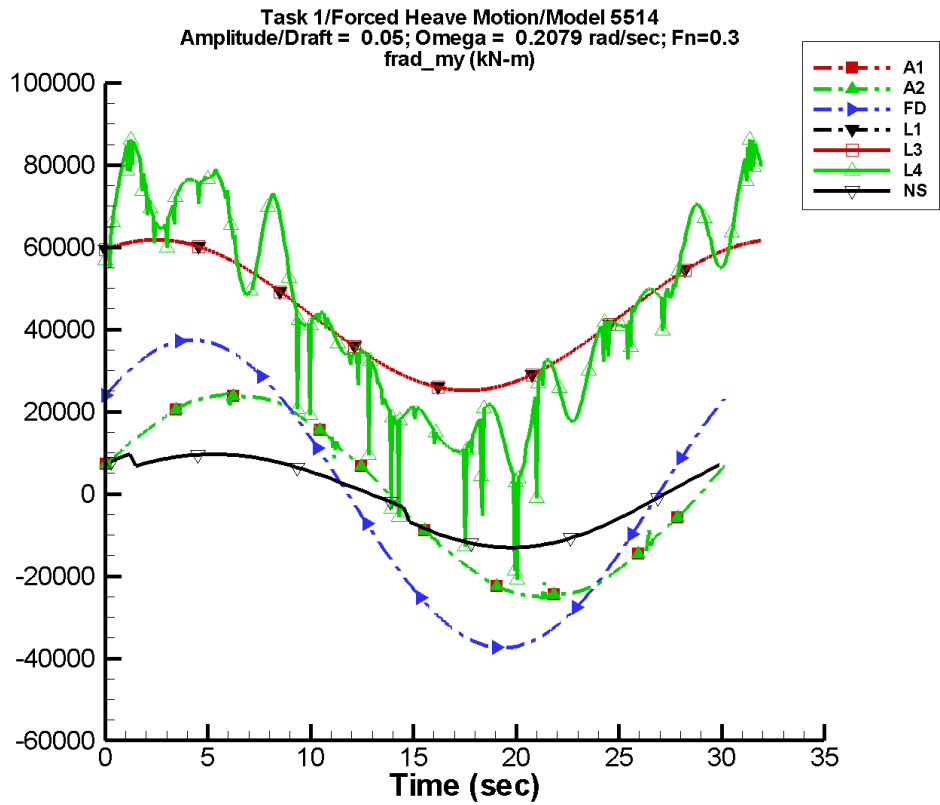
Table B-569. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-5.82E+03	5.90E+05	-43	9.84E+03	80
A2	-5.82E+03	5.90E+05	-43	9.84E+03	80
FD	-3.86E-02	7.07E+05	-44	0.168	-5
L1	-1.17E+04	6.66E+05	-43	1.02E+05	24
L3	-1.17E+04	6.66E+05	-43	1.02E+05	24
L4	-4.98E+04	3.69E+05	-46	3.19E+05	57
NF	—	—	—	—	—
NS	-1.57E+05	4.34E+05	-28	3.34E+05	76

Table B-570. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.0$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-5.99E+05	5.87E+05	-5.81E+05	5.69E+05
A2	-5.99E+05	5.87E+05	-5.81E+05	5.69E+05
FD	-7.06E+05	7.07E+05	-6.84E+05	6.86E+05
L1	-7.76E+05	5.68E+05	-7.64E+05	5.65E+05
L3	-7.76E+05	5.68E+05	-7.64E+05	5.65E+05
L4	-6.74E+05	1.22E+06	-5.91E+05	8.22E+05
NF	—	—	—	—
NS	-8.25E+05	1.17E+06	-8.13E+05	7.23E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-286. Time history of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

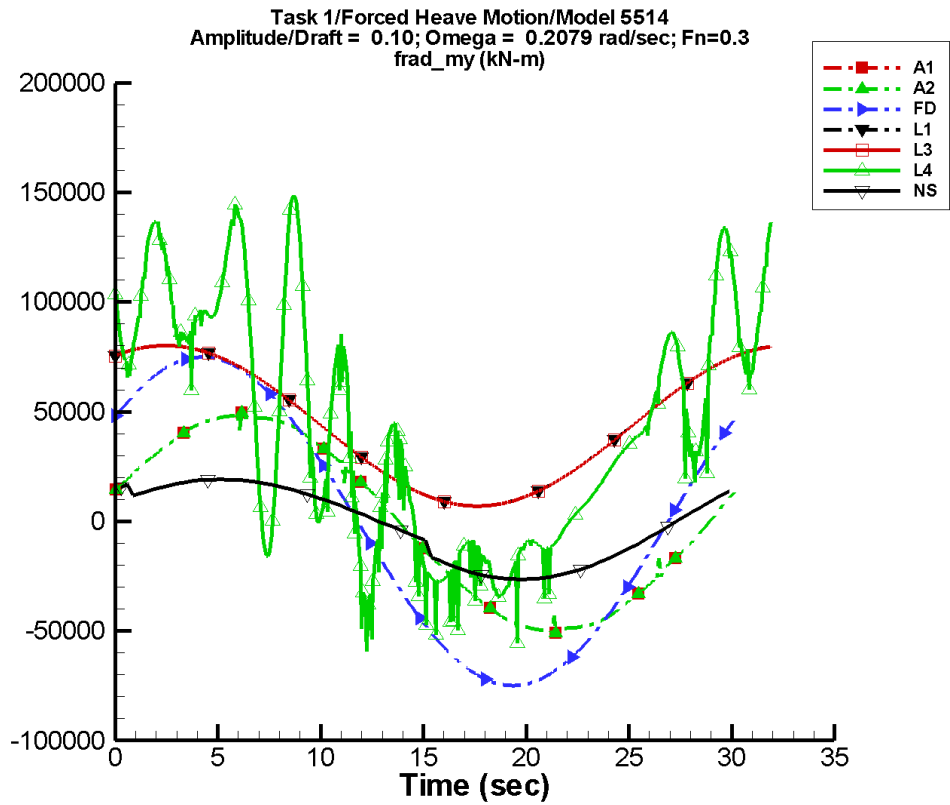
Table B–571. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-101.	2.49E+04	16	221.	32
A2	-101.	2.49E+04	16	221.	32
FD	9.45E-05	3.75E+04	39	1.58E-03	10
L1	4.35E+04	1.83E+04	60	24.6	117
L3	4.35E+04	1.83E+04	60	24.2	116
L4	4.29E+04	3.12E+04	56	248.	-33
NF	—	—	—	—	—
NS	-664.	1.18E+04	32	1.33E+03	149

Table B–572. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-2.56E+04	2.64E+04	-2.48E+04	2.56E+04
A2	-2.56E+04	2.64E+04	-2.48E+04	2.56E+04
FD	-3.75E+04	3.75E+04	-3.74E+04	3.74E+04
L1	2.52E+04	6.18E+04	2.52E+04	6.18E+04
L3	2.52E+04	6.18E+04	2.52E+04	6.18E+04
L4	-2.07E+04	8.63E+04	-1.82E+03	8.35E+04
NF	—	—	—	—
NS	-1.35E+04	1.02E+04	-1.34E+04	9.84E+03

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-287. Time history of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

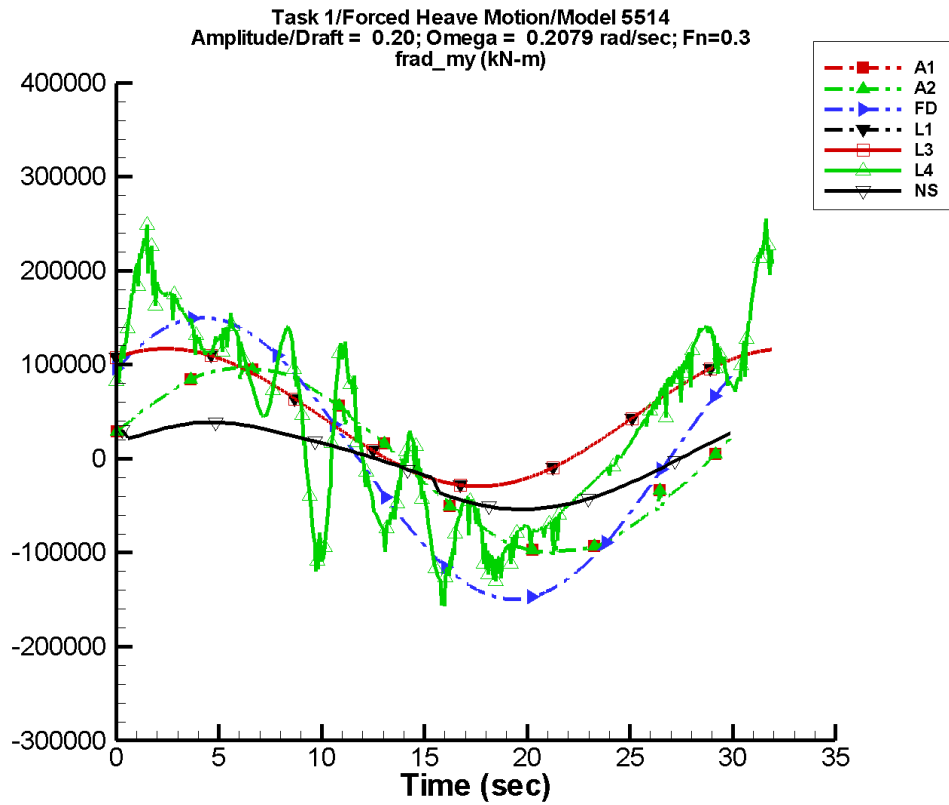
Table B-573. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-202.	4.97E+04	16	441.	32
A2	-202.	4.97E+04	16	441.	32
FD	-5.97E-04	7.49E+04	39	1.30E-03	-69
L1	4.36E+04	3.66E+04	60	96.9	117
L3	4.36E+04	3.66E+04	60	96.6	116
L4	3.98E+04	6.46E+04	57	1.04E+03	-70
NF	—	—	—	—	—
NS	-1.65E+03	2.33E+04	31	2.78E+03	147

Table B-574. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-5.11E+04	5.27E+04	-4.94E+04	5.12E+04
A2	-5.11E+04	5.27E+04	-4.94E+04	5.12E+04
FD	-7.49E+04	7.49E+04	-7.48E+04	7.48E+04
L1	6.98E+03	8.02E+04	7.00E+03	8.02E+04
L3	6.98E+03	8.02E+04	7.00E+03	8.02E+04
L4	-6.70E+04	1.49E+05	-4.97E+04	1.44E+05
NF	—	—	—	—
NS	-2.74E+04	1.96E+04	-2.72E+04	1.95E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-288. Time history of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

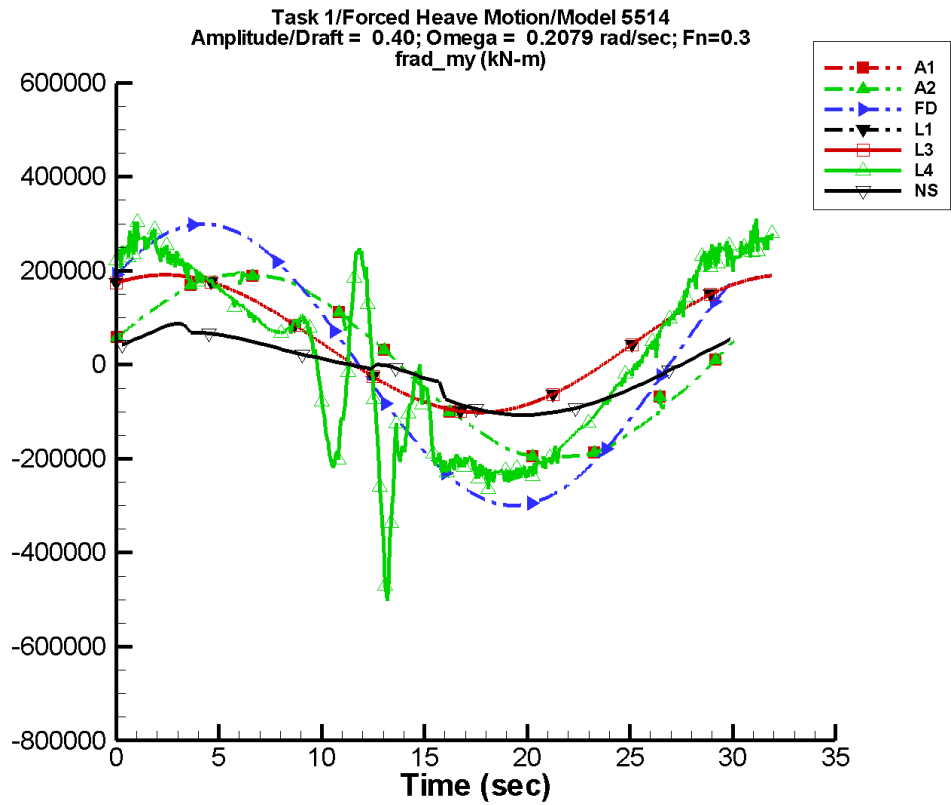
Table B-575. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-405.	9.93E+04	16	882.	32
A2	-405.	9.93E+04	16	882.	32
FD	1.72E-03	1.50E+05	39	2.88E-03	-40
L1	4.38E+04	7.32E+04	60	387.	116
L3	4.38E+04	7.32E+04	60	387.	116
L4	3.19E+04	1.22E+05	60	1.73E+04	92
NF	—	—	—	—	—
NS	-4.56E+03	4.63E+04	31	5.26E+03	133

Table B-576. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.02E+05	1.05E+05	-9.89E+04	1.02E+05
A2	-1.02E+05	1.05E+05	-9.89E+04	1.02E+05
FD	-1.50E+05	1.50E+05	-1.50E+05	1.50E+05
L1	-2.93E+04	1.17E+05	-2.93E+04	1.17E+05
L3	-2.93E+04	1.17E+05	-2.93E+04	1.17E+05
L4	-1.56E+05	2.55E+05	-1.36E+05	2.28E+05
NF	—	—	—	—
NS	-5.61E+04	3.99E+04	-5.56E+04	3.94E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-289. Time history of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

TASK 1/HEAVE MOTION/MODEL 5514

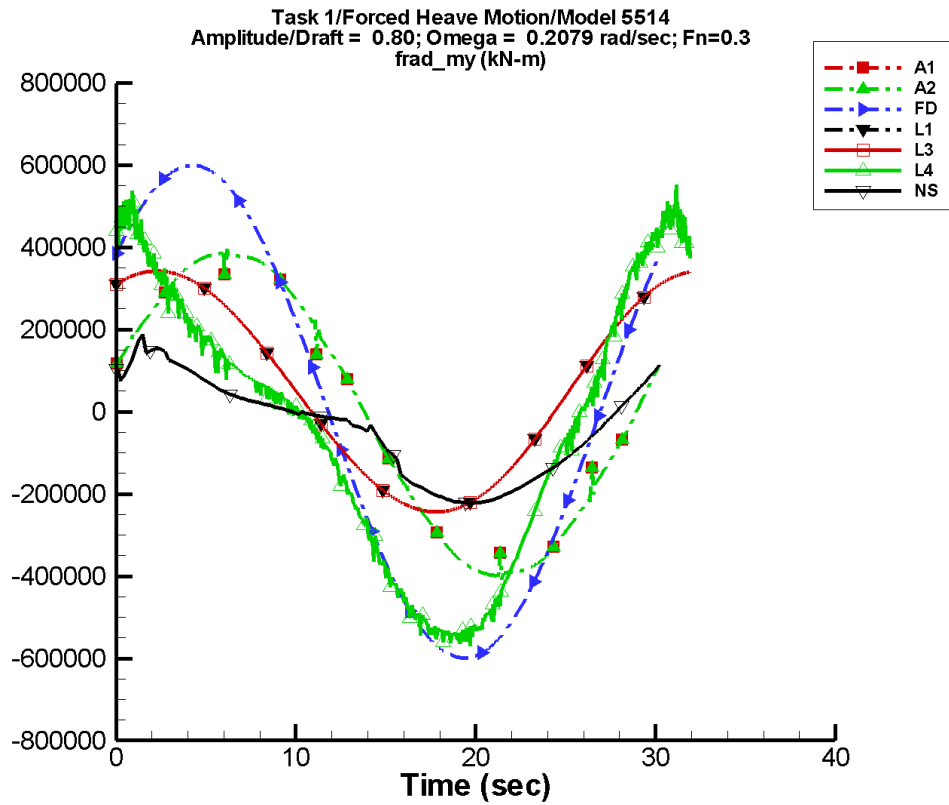
Table B-577. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-810.	1.99E+05	16	1.76E+03	32
A2	-810.	1.99E+05	16	1.76E+03	32
FD	-1.59E-02	3.00E+05	39	1.13E-02	-42
L1	4.48E+04	1.46E+05	60	1.55E+03	116
L3	4.48E+04	1.46E+05	60	1.55E+03	116
L4	7.11E+03	2.27E+05	60	4.62E+04	117
NF	—	—	—	—	—
NS	-1.27E+04	8.66E+04	34	1.68E+04	99

Table B-578. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-2.04E+05	2.11E+05	-1.98E+05	2.05E+05
A2	-2.04E+05	2.11E+05	-1.98E+05	2.05E+05
FD	-3.00E+05	3.00E+05	-2.99E+05	2.99E+05
L1	-1.01E+05	1.91E+05	-1.01E+05	1.91E+05
L3	-1.01E+05	1.91E+05	-1.01E+05	1.91E+05
L4	-5.02E+05	3.10E+05	-4.17E+05	2.72E+05
NF	—	—	—	—
NS	-1.13E+05	9.13E+04	-1.12E+05	8.11E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-290. Time history of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

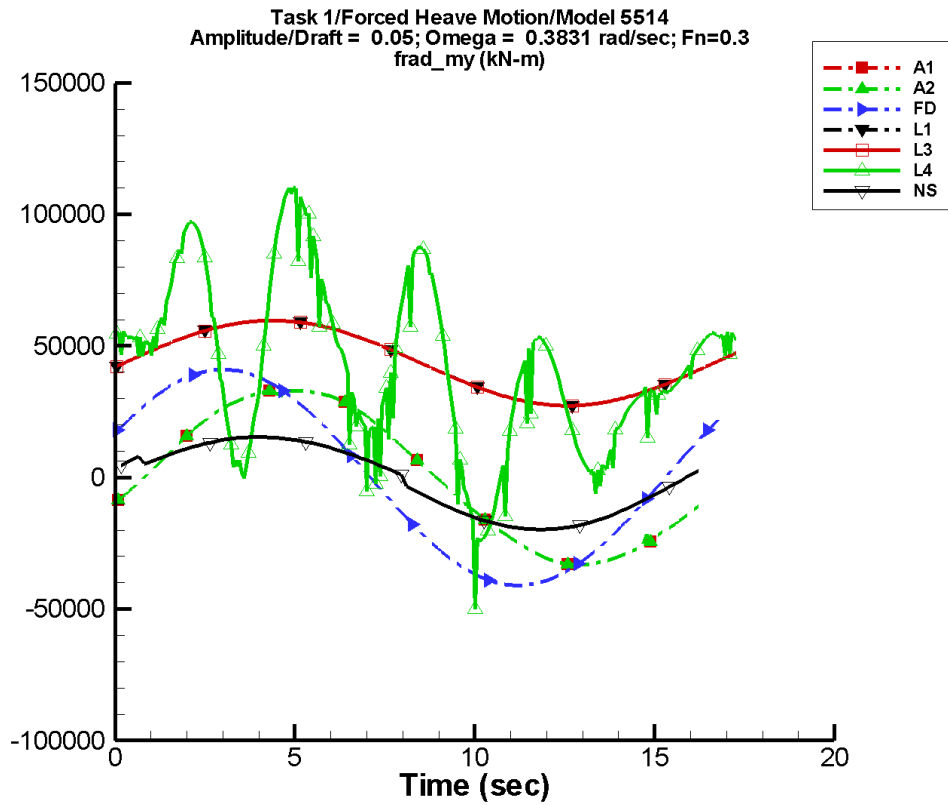
Table B–579. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-1.62E+03	3.97E+05	16	3.53E+03	32
A2	-1.62E+03	3.97E+05	16	3.53E+03	32
FD	-8.74E-03	5.99E+05	39	1.03E-02	69
L1	4.88E+04	2.93E+05	60	6.19E+03	116
L3	4.88E+04	2.93E+05	60	6.19E+03	116
L4	-5.85E+04	4.29E+05	60	1.15E+05	137
NF	—	—	—	—	—
NS	-4.38E+04	1.60E+05	38	4.30E+04	101

Table B–580. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.2079 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-4.09E+05	4.21E+05	-3.95E+05	4.10E+05
A2	-4.09E+05	4.21E+05	-3.95E+05	4.10E+05
FD	-5.99E+05	5.99E+05	-5.99E+05	5.99E+05
L1	-2.44E+05	3.42E+05	-2.44E+05	3.42E+05
L3	-2.44E+05	3.42E+05	-2.44E+05	3.42E+05
L4	-5.69E+05	5.53E+05	-5.50E+05	4.87E+05
NF	—	—	—	—
NS	-2.35E+05	1.97E+05	-2.33E+05	1.61E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-291. Time history of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

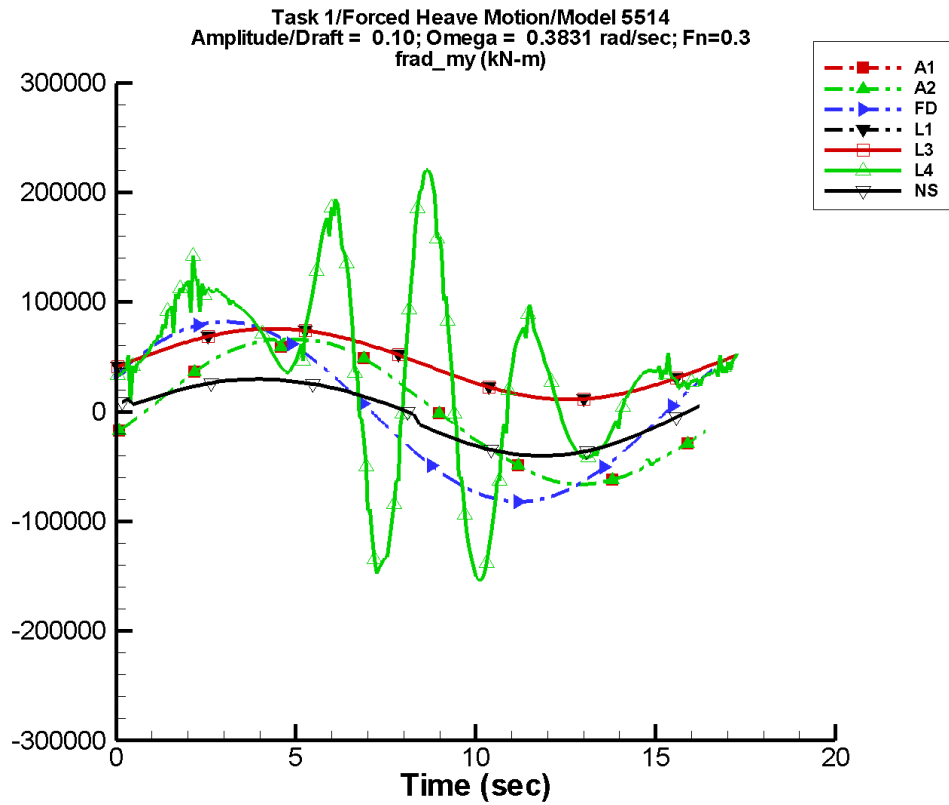
Table B–581. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	457.	3.32E+04	-16	121.	155
A2	457.	3.32E+04	-16	121.	155
FD	-5.59E-03	4.10E+04	24	3.81E-03	-52
L1	4.36E+04	1.62E+04	-6	77.7	66
L3	4.36E+04	1.62E+04	-6	78.0	66
L4	4.25E+04	2.58E+04	10	3.16E+03	72
NF	—	—	—	—	—
NS	-1.01E+03	1.76E+04	8	1.69E+03	140

Table B–582. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-3.32E+04	3.43E+04	-3.31E+04	3.28E+04
A2	-3.32E+04	3.43E+04	-3.31E+04	3.28E+04
FD	-4.10E+04	4.10E+04	-4.09E+04	4.09E+04
L1	2.73E+04	5.97E+04	2.73E+04	5.96E+04
L3	2.73E+04	5.97E+04	2.73E+04	5.96E+04
L4	-5.00E+04	1.10E+05	-2.43E+04	1.06E+05
NF	—	—	—	—
NS	-1.98E+04	1.57E+04	-1.96E+04	1.55E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-292. Time history of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

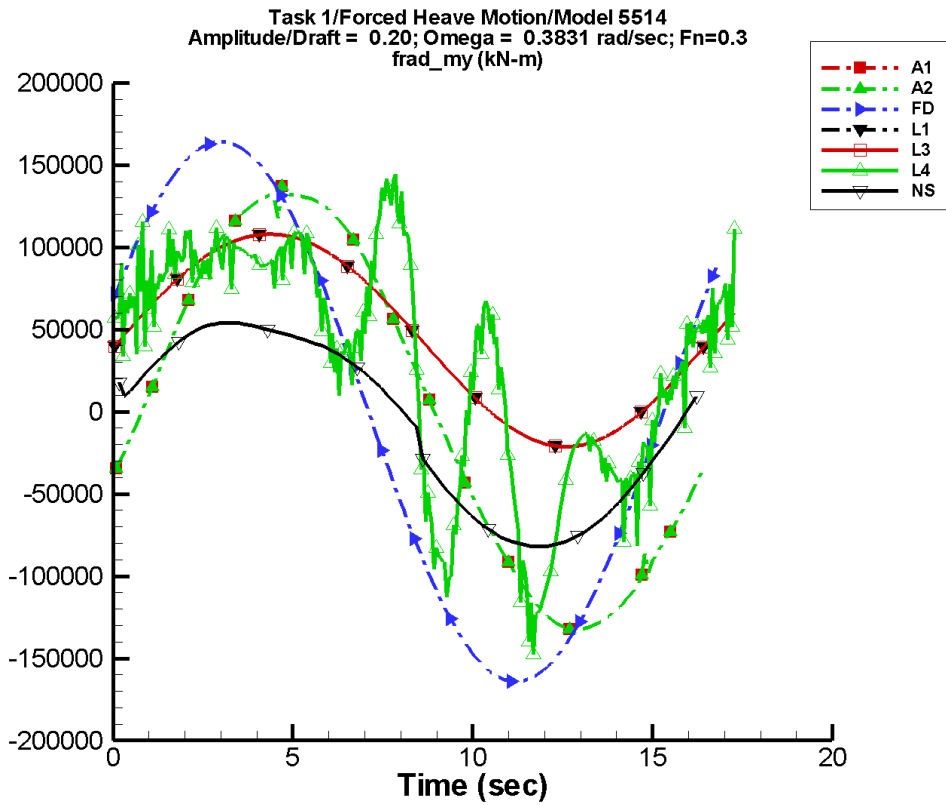
Table B–583. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	912.	6.62E+04	-16	242.	155
A2	912.	6.62E+04	-16	242.	155
FD	-1.08E-02	8.21E+04	24	6.19E-03	-54
L1	4.38E+04	3.23E+04	-6	310.	66
L3	4.37E+04	3.23E+04	-6	310.	66
L4	3.96E+04	5.28E+04	12	9.77E+03	-35
NF	—	—	—	—	—
NS	-2.56E+03	3.51E+04	7	3.58E+03	135

Table B–584. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-6.63E+04	6.85E+04	-6.60E+04	6.55E+04
A2	-6.63E+04	6.85E+04	-6.60E+04	6.55E+04
FD	-8.21E+04	8.21E+04	-8.18E+04	8.18E+04
L1	1.11E+04	7.58E+04	1.12E+04	7.57E+04
L3	1.11E+04	7.58E+04	1.12E+04	7.57E+04
L4	-1.54E+05	2.21E+05	-1.46E+05	2.09E+05
NF	—	—	—	—
NS	-4.02E+04	3.04E+04	-3.98E+04	3.01E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-293. Time history of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

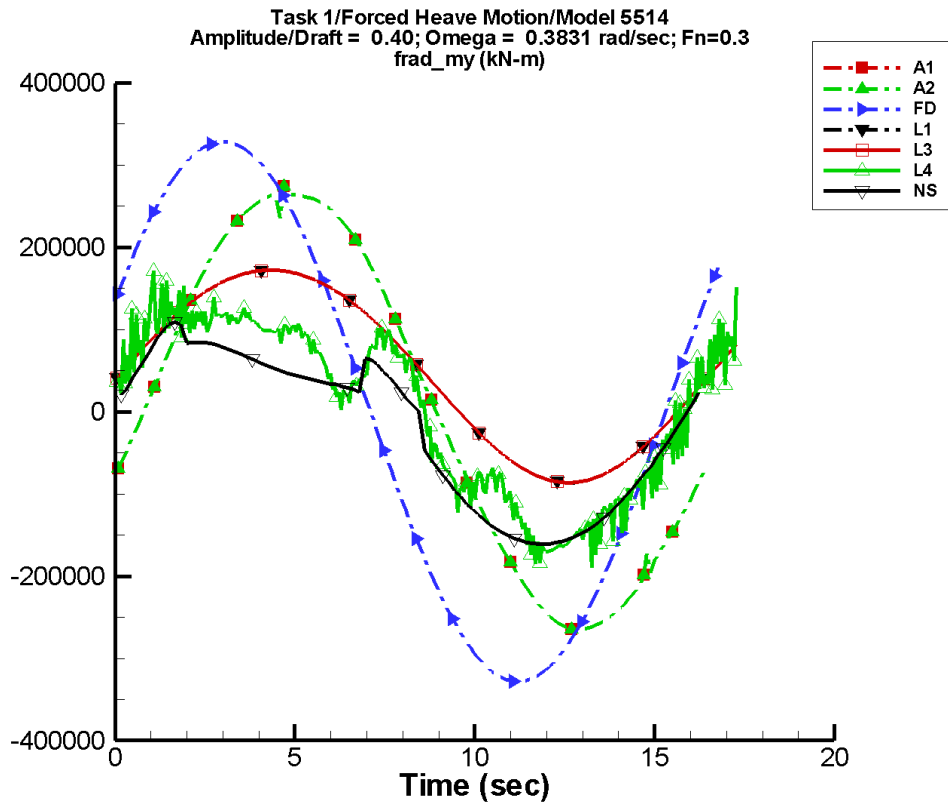
Table B–585. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	1.82E+03	1.32E+05	-16	483.	155
A2	1.82E+03	1.32E+05	-16	483.	155
FD	-2.31E-02	1.64E+05	24	4.93E-03	-40
L1	4.45E+04	6.46E+04	-6	1.24E+03	66
L3	4.45E+04	6.46E+04	-6	1.24E+03	66
L4	2.92E+04	7.91E+04	4	1.39E+04	76
NF	—	—	—	—	—
NS	-7.43E+03	6.87E+04	8	7.79E+03	115

Table B–586. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.33E+05	1.37E+05	-1.32E+05	1.31E+05
A2	-1.33E+05	1.37E+05	-1.32E+05	1.31E+05
FD	-1.64E+05	1.64E+05	-1.64E+05	1.64E+05
L1	-2.13E+04	1.08E+05	-2.12E+04	1.08E+05
L3	-2.13E+04	1.08E+05	-2.12E+04	1.08E+05
L4	-1.48E+05	1.44E+05	-1.24E+05	1.33E+05
NF	—	—	—	—
NS	-8.20E+04	5.53E+04	-8.12E+04	5.45E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-294. Time history of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

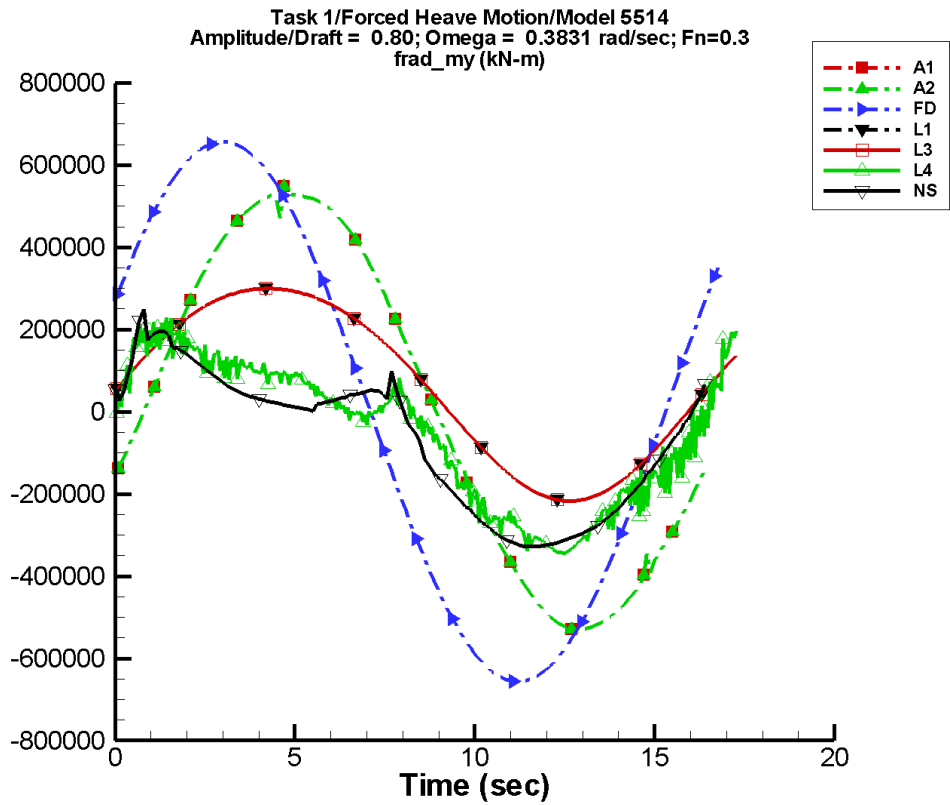
Table B–587. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	3.65E+03	2.65E+05	-16	966.	155
A2	3.65E+03	2.65E+05	-16	966.	155
FD	-4.10E-02	3.28E+05	24	1.72E-02	-46
L1	4.77E+04	1.29E+05	-6	4.96E+03	66
L3	4.77E+04	1.29E+05	-6	4.96E+03	66
L4	296.	1.36E+05	7	3.63E+04	60
NF	—	—	—	—	—
NS	-1.92E+04	1.19E+05	10	3.34E+04	84

Table B–588. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-2.65E+05	2.74E+05	-2.64E+05	2.62E+05
A2	-2.65E+05	2.74E+05	-2.64E+05	2.62E+05
FD	-3.28E+05	3.28E+05	-3.27E+05	3.27E+05
L1	-8.63E+04	1.72E+05	-8.62E+04	1.72E+05
L3	-8.64E+04	1.72E+05	-8.62E+04	1.72E+05
L4	-1.89E+05	1.71E+05	-1.70E+05	1.29E+05
NF	—	—	—	—
NS	-1.61E+05	1.14E+05	-1.59E+05	9.85E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-295. Time history of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

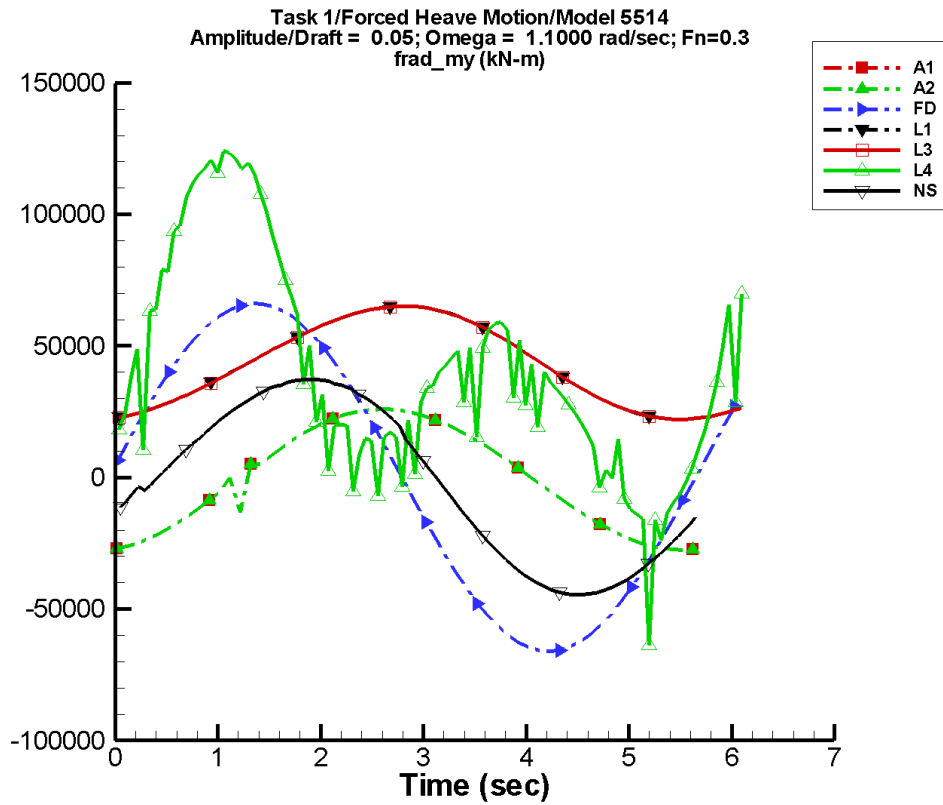
Table B–589. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	7.30E+03	5.30E+05	-16	1.93E+03	155
A2	7.30E+03	5.30E+05	-16	1.93E+03	155
FD	-6.87E-02	6.57E+05	24	5.89E-02	-67
L1	6.05E+04	2.58E+05	-6	1.98E+04	66
L3	6.05E+04	2.58E+05	-6	1.98E+04	66
L4	-5.52E+04	2.23E+05	10	7.39E+04	58
NF	—	—	—	—	—
NS	-6.58E+04	2.10E+05	16	8.64E+04	83

Table B–590. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 0.3831 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-5.30E+05	5.48E+05	-5.28E+05	5.24E+05
A2	-5.30E+05	5.48E+05	-5.28E+05	5.24E+05
FD	-6.57E+05	6.57E+05	-6.54E+05	6.54E+05
L1	-2.17E+05	3.00E+05	-2.17E+05	2.99E+05
L3	-2.17E+05	3.00E+05	-2.17E+05	2.99E+05
L4	-3.44E+05	2.30E+05	-3.41E+05	1.90E+05
NF	—	—	—	—
NS	-3.28E+05	2.63E+05	-3.27E+05	2.07E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-296. Time history of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

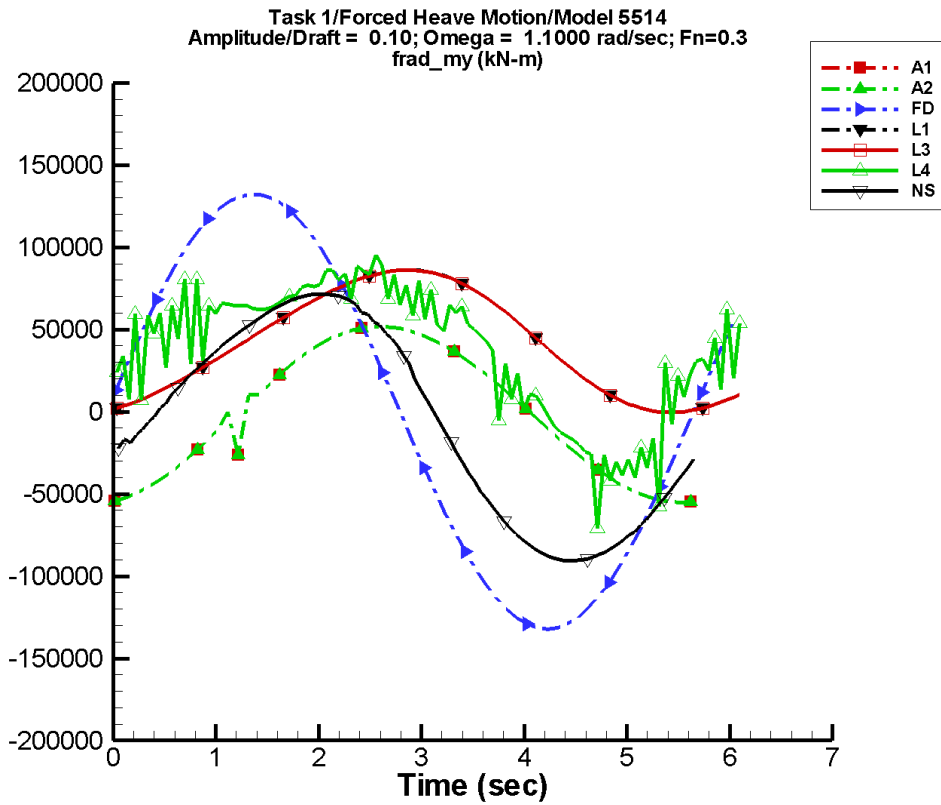
Table B–591. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-676.	2.65E+04	-76	160.	166
A2	-676.	2.65E+04	-76	160.	166
FD	-6.72E-03	6.61E+04	4	9.36E-03	18
L1	4.35E+04	2.14E+04	-81	984.	18
L3	4.35E+04	2.14E+04	-81	969.	18
L4	4.03E+04	3.34E+04	5	4.63E+04	-35
NF	—	—	—	—	—
NS	-2.62E+03	4.03E+04	-21	3.49E+03	127

Table B–592. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.05, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-2.75E+04	2.59E+04	-2.67E+04	2.51E+04
A2	-2.75E+04	2.59E+04	-2.67E+04	2.51E+04
FD	-6.61E+04	6.61E+04	-6.41E+04	6.41E+04
L1	2.21E+04	6.51E+04	2.24E+04	6.50E+04
L3	2.21E+04	6.51E+04	2.24E+04	6.50E+04
L4	-6.38E+04	1.24E+05	-2.06E+04	1.20E+05
NF	—	—	—	—
NS	-4.46E+04	3.77E+04	-4.42E+04	3.72E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-297. Time history of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

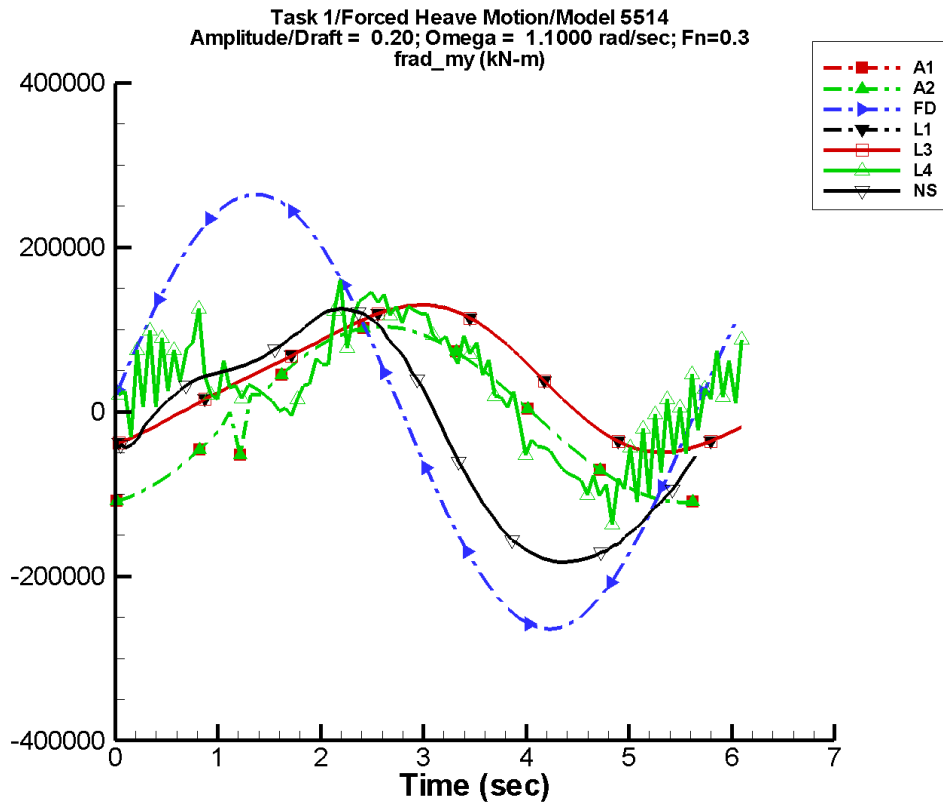
Table B–593. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-1.35E+03	5.29E+04	-76	320.	166
A2	-1.35E+03	5.29E+04	-76	320.	166
FD	-1.66E-02	1.32E+05	4	1.33E-02	28
L1	4.30E+04	4.27E+04	-81	3.67E+03	15
L3	4.30E+04	4.27E+04	-81	3.65E+03	15
L4	3.74E+04	5.15E+04	-36	1.71E+04	44
NF	—	—	—	—	—
NS	-7.32E+03	7.92E+04	-21	1.02E+04	125

Table B–594. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.10, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-5.50E+04	5.18E+04	-5.33E+04	5.01E+04
A2	-5.50E+04	5.18E+04	-5.33E+04	5.01E+04
FD	-1.32E+05	1.32E+05	-1.28E+05	1.28E+05
L1	-380.	8.62E+04	120.	8.63E+04
L3	-375.	8.62E+04	131.	8.63E+04
L4	-7.10E+04	1.01E+05	-3.69E+04	8.51E+04
NF	—	—	—	—
NS	-9.07E+04	7.21E+04	-8.98E+04	7.14E+04

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-298. Time history of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

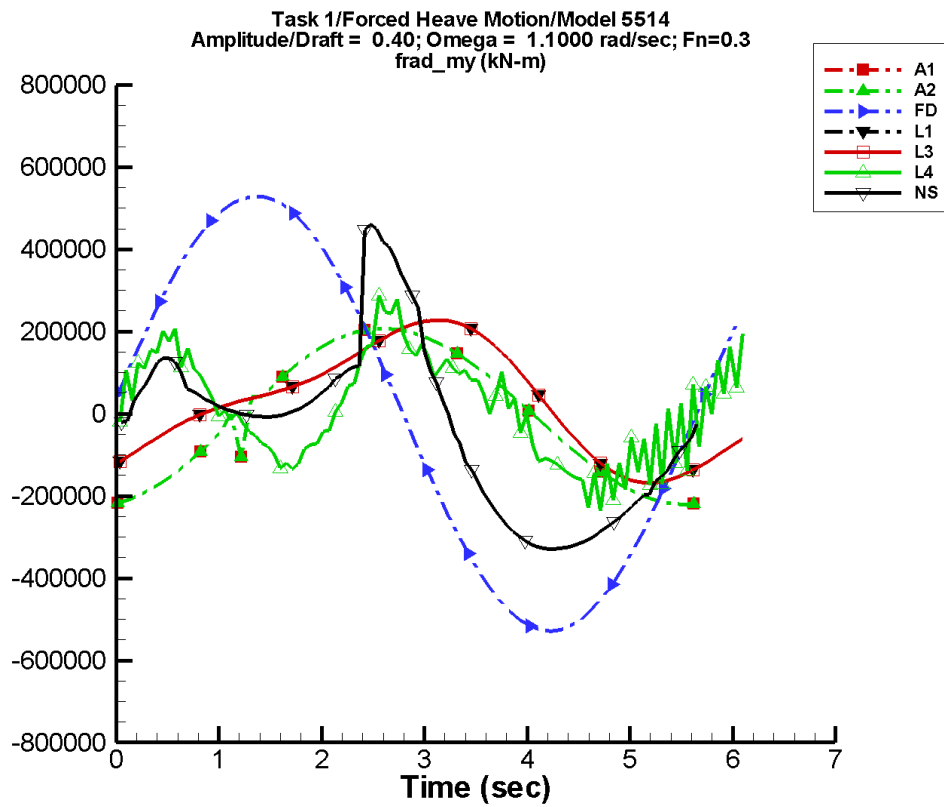
Table B–595. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-2.70E+03	1.06E+05	-76	640.	166
A2	-2.70E+03	1.06E+05	-76	640.	166
FD	-3.37E-02	2.65E+05	4	3.90E-02	50
L1	4.08E+04	8.53E+04	-81	1.43E+04	14
L3	4.07E+04	8.53E+04	-81	1.43E+04	14
L4	2.70E+04	7.64E+04	-47	5.72E+04	62
NF	—	—	—	—	—
NS	-2.65E+04	1.42E+05	-21	3.27E+04	114

Table B–596. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.20, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-1.10E+05	1.04E+05	-1.07E+05	1.00E+05
A2	-1.10E+05	1.04E+05	-1.07E+05	1.00E+05
FD	-2.65E+05	2.64E+05	-2.56E+05	2.56E+05
L1	-4.94E+04	1.30E+05	-4.82E+04	1.29E+05
L3	-4.94E+04	1.30E+05	-4.82E+04	1.29E+05
L4	-1.37E+05	1.60E+05	-9.42E+04	1.32E+05
NF	—	—	—	—
NS	-1.83E+05	1.26E+05	-1.81E+05	1.22E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-299. Time history of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

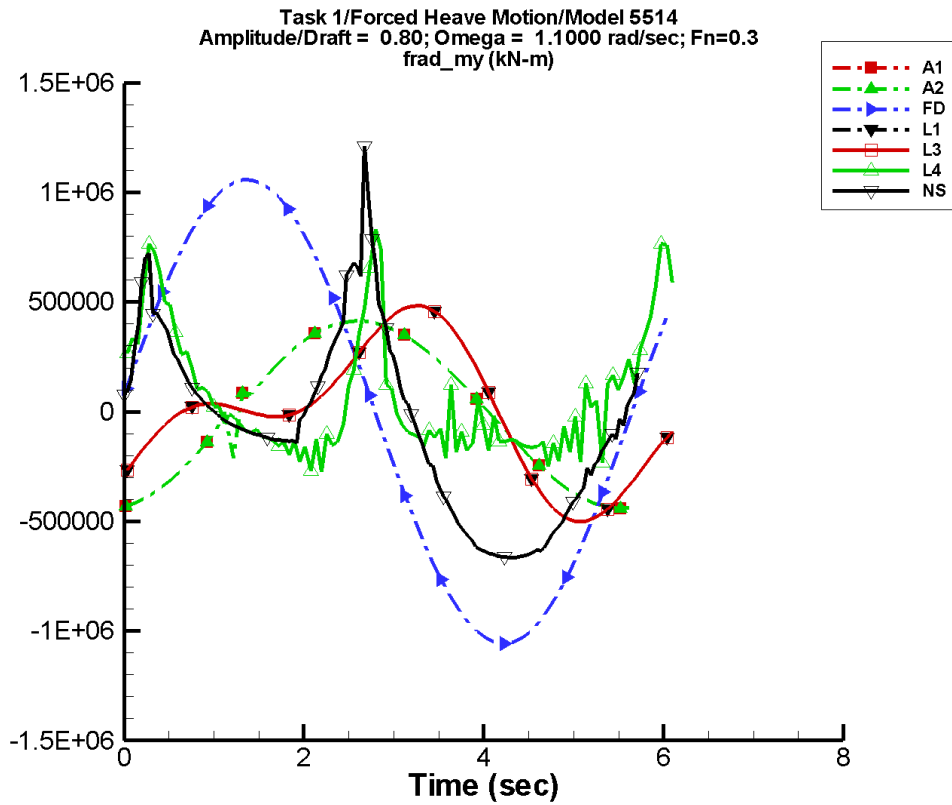
Table B–597. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-5.40E+03	2.12E+05	-76	1.28E+03	166
A2	-5.40E+03	2.12E+05	-76	1.28E+03	166
FD	-5.41E-02	5.29E+05	4	7.54E-02	32
L1	3.19E+04	1.71E+05	-81	5.67E+04	14
L3	3.19E+04	1.71E+05	-81	5.67E+04	14
L4	1.31E+04	7.96E+04	-52	1.51E+05	57
NF	—	—	—	—	—
NS	-2.72E+04	2.04E+05	-27	1.65E+05	92

Table B–598. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.40, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-2.20E+05	2.07E+05	-2.13E+05	2.01E+05
A2	-2.20E+05	2.07E+05	-2.13E+05	2.01E+05
FD	-5.29E+05	5.29E+05	-5.13E+05	5.12E+05
L1	-1.68E+05	2.28E+05	-1.65E+05	2.24E+05
L3	-1.68E+05	2.28E+05	-1.65E+05	2.24E+05
L4	-2.35E+05	3.66E+05	-1.72E+05	2.23E+05
NF	—	—	—	—
NS	-3.29E+05	4.84E+05	-3.26E+05	4.10E+05

TASK 1/HEAVE MOTION/MODEL 5514



Data identically zero, insufficient, or not available from NFA.

Figure B-300. Time history of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, $F_n = 0.3$ in the case of prescribed heave motion of Model 5514 scaled to $L = 142$ m.

TASK 1/HEAVE MOTION/MODEL 5514

Table B–599. Coefficients of the Fourier fit $a_0 + a_1 \sin(\omega t + \Phi_1) + a_2 \sin(2\omega t + \Phi_2) + \dots$ of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	a_0 (kN-m)	a_1 (kN-m)	Φ_1 (deg)	a_2 (kN-m)	Φ_2 (deg)
A1	-1.08E+04	4.23E+05	-76	2.56E+03	166
A2	-1.08E+04	4.23E+05	-76	2.56E+03	166
FD	-0.129	1.06E+06	4	8.80E-02	8
L1	-3.40E+03	3.41E+05	-81	2.26E+05	14
L3	-3.42E+03	3.41E+05	-81	2.26E+05	14
L4	5.34E+04	1.04E+05	48	2.89E+05	65
NF	—	—	—	—	—
NS	-4.36E+04	3.39E+05	-12	3.97E+05	88

Table B–600. Minimum and maximum of M_y^{rad} for one period at amplitude/draft = 0.80, frequency = 1.1000 rad/s, Fn = 0.3 in the case of prescribed heave motion of Model 5514 scaled to L = 142 m.

Code	Unfiltered		Filtered	
	Minimum (kN-m)	Maximum (kN-m)	Minimum (kN-m)	Maximum (kN-m)
A1	-4.40E+05	4.14E+05	-4.26E+05	4.01E+05
A2	-4.40E+05	4.14E+05	-4.26E+05	4.01E+05
FD	-1.06E+06	1.06E+06	-1.03E+06	1.02E+06
L1	-5.01E+05	4.83E+05	-4.89E+05	4.71E+05
L3	-5.01E+05	4.83E+05	-4.89E+05	4.71E+05
L4	-2.74E+05	8.31E+05	-2.02E+05	5.50E+05
NF	—	—	—	—
NS	-6.65E+05	1.26E+06	-6.63E+05	8.25E+05