A comparison of two hybrid modeling approaches to the problem of scattering from a rough sea surface

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A technique used to couple 2-D propagation as calculated by PE with the 3-D scattering from a rough surface as calculated by the wedge assemblage method has been previously presented (J. Acoust. Soc. Am. Suppl. 1 86, S66 (1989)). In this paper, the forward and backscattered fields resulting from interaction with a rough sea surface are predicted by this hybrid model and compared with predictions made by a hybrid PE-finite-element model (PE-FFRAME).