

REPORT DOCUMENTATION PAGE

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6. AUTHOR(S): DR RICHARD TAM

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES): INDIANA UNIVERSITY-PURDUE UNIVERSITY AT INDIANAPOLIS, DEPARTMENT OF MATHEMATICAL SCIENCES, 402 N. BLACKFORD STREET, INDIANAPOLIS, INDIANA 46202-3216
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INDIANA UNIVERSITY
PURDUE UNIVERSITY
INDIANAPOLIS

Dept of Mathematical Sciences
Indiana University-
Purdue University at Indianapolis
Indianapolis IN 46202
Dec 13, 1995

SCHOOL OF SCIENCE



Grant Administration Division
AFOSR
Bolling Air Force Base DC 20332

To whom it may concern

Enclosed please find the technical report for
Grant #F49620-92-J-0397 covering research
activities during the period June 1, 1994 -
May 31, 1995.

Richard Y. Tam
Associate Professor,
Mathematical Sciences

DEPARTMENT OF
MATHEMATICAL SCIENCES

402 N. Blackford Street
Indianapolis, Indiana
46202-3216

317-274-6918
Fax: 317-274-3460

cc P.McKeough

Technical Report 6/1/94 - 5/31/95
Grant #F49620-92-J-0397

SCHOOL OF SCIENCE



Preliminary studies on a simplified kinetic model for the hydrogen flame confirm the existence of the shock-like structure in flame temperature space for the logarithm of the mass burning rate that had been discovered previously in the study of the carbon monoxide flame; notably, the mass burning rate undergoes a multiplicative jump in contrast to the additive jump in regular shock waves.

There are no publications during this period.

Manuscript "Flammability and Kinetic Analysis of the Dry Carbon Monoxide Flame" is reorganized into two sections for submittal.

DEPARTMENT OF
MATHEMATICAL SCIENCES

402 N. Blackford Street
Indianapolis, Indiana
46202-3216

317-274-6918
Fax: 317-274-3460