

Theoretical Analysis of Flowing Combustion Plasmas

D. E. Jensen and A. S. Wilson

Modern computers are Capable of handling the complicated calculations needed to provide theoretical estimates of the detailed chemical and gas dynamic structures of flowing plasmas. Computer programs designed to describe structures of combustion plasmas are now available and are successful in predicting plasma properties even under conditions of recirculating flow and non-equilibrium chemical reactions. The scope and power of the computing methods used are indicated and imlications for plasma predictions in general discussed.

D. E. Jensen, Dr.
Ministry of Defence
Rocket Propulsion Establishment
Westcott
Aylesbury
Buckinghamshire HP 18 ONZ
England