

Theoretical Analysis of Flowing Combustion Plasmas

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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 imollications for plasma predictions in general discussed.

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