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Titolo	Numerical Simulation of Combustion Phenomena [[electronic resource] ] : Proceedings of the Symposium Held at INRIA Sophia-Antipolis, France, May 21-24, 1985 // edited by Roland Glowinski, Bernard Larrouturou, Roger Temam
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Soggetti	Power electronics Physics Power Electronics, Electrical Machines and Networks Mathematical Methods in Physics Numerical and Computational Physics, Simulation
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Nota di contenuto	Laminar flamelet modelling of turbulent combustion -- Critiques sur la Modelisation de la Ccombustion Turbulente -- Methodes Numeriques a Convergence Rapide Utilisees Pour le Calcul Des Ecoulements Reactifs -- Aspects of the simulation of combustion in reciprocating engines -- The KIVA computer program for multidimensional chemically reactive fluid flows with fuel sprays -- Numerical and asymptotic analysis of systematically reduced reaction schemes for hydrocarbon flames -- Spray combustion simulation -- Some new solutions of the flame front equation -- Auto-Organisation Transitoire du Modele de Kuramoto-Sivashinsky -- Approximation Particulaire D'une Onde de Detonation -- Unsteady combustion of solid propellants -- Gas flows generated by solid-propellant burning -- Calcul de la Volatilisation D'un Grain de Charbon dans le cas D'une MonteeE en Temperature non Lineaire -- Numerical calculations of strained premixed laminar flames -- Elasticity of flame fronts and numerical experiments -- Simulation Numerique D'une Flamme de Diffusion Turbulente de Grande Dimension en Presence de Vent Traversier Pour la Prediction du Champ de

Rayonnement Emis -- Model Transitoire de Combustion D'un Propergol  
Composé de Mousse de PolyurethaneE Chargee en Octogene --  
Extinction limits of premixed catalysed flames in stagnation point flows  
-- A predictor corrector semi-implicit pressure solver for compressible  
two phase flows -- Utilisation de Maillages Adaptatifs pour la  
Simulation de Flamme Monodimensionnelles Instationnaires -- Some  
computational techniques for studying chemical kinetics -- Numerical  
aberrations in a Stefan problem from detonation theory -- Numerical  
bifurcation in chambered diffusion flames -- Methode des Elements  
Finis Deformables Adaptee a L'etude de L'Aerodynamique Interne des  
Chambres de Combustion -- Combustion D'une Goutte en Milieu  
Reactif Avec Decomposition Exothermique Prealable du Combustible --  
Contribution to the numerical analysis of Laminar stationary flames --  
Application of pole decomposition to an equation governing the  
dynamics of wrinkled flame fronts -- Flame propagation and ignition in  
hydrocarbon-air mixtures up to octane.

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