

1. Record Nr.	UNINA990001289770403321
Autore	Leimanis, Eugene
Titolo	Dynamics and nonlinear mechanics : some recent advances in the dynamics of rigid bodies and celestial mechanics / by E. Leimanis . The theory of oscillations / by N. Minorsky
Pubbl/distr/stampa	New York : John Wiley, 1958
Descrizione fisica	xii, 206 p. ; 24 cm
Collana	Surveys in applied mathematics ; 2
Altri autori (Persone)	Minorsky, Nicholas
Locazione	MA1
Collocazione	14-A-26
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

## 2. Record Nr.

## Titolo

UNINA9910257411903321

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

## Pubbl/distr/stampa

Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1985

## ISBN

3-540-39751-5

## Edizione

[1st ed. 1985.]

## Collana

Lecture Notes in Physics, , 0075-8450 ; ; 241

## Disciplina

621.317

## Soggetti

Power electronics

Physics

Power Electronics, Electrical Machines and Networks

Mathematical Methods in Physics

Numerical and Computational Physics, Simulation

## Lingua di pubblicazione

Inglese

## Formato

Materiale a stampa

## Livello bibliografico

Monografia

## Note generali

Bibliographic Level Mode of Issuance: Monograph

## Nota di contenuto

Laminar flamelet modelling of turbulent combustion -- Critiques sur la Modelisation de la C combustion 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 Montee 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  
Compose de Mousse de Polyurethane E 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 Flammes 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 Adapte 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.

---