

1. Record Nr.	UNINA9910451107303321
Titolo	Proceedings, "WASCOM 2005" [[electronic resource]] : 13th Conference on Waves and Stability in Continuous Media : Catania, Italy, 19-25 June 2005 / / editors, Roberto Monaco, Giuseppe Mulone, Salvatore Rionero, Tommaso Ruggeri
Pubbl/distr/stampa	Singapore ; ; Hackensack, NJ, : World Scientific, c2006
ISBN	1-281-92487-3 9786611924874 981-277-361-4
Descrizione fisica	1 online resource (582 p.)
Altri autori (Persone)	MonacoR (Roberto) MuloneGiuseppe RioneroSalvatore RuggeriTomaso
Disciplina	531.1133
Soggetti	Wave-motion, Theory of Stability Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	On Whitham equations for Camassa-Holm / S. Abenda, T. Grava, G. Klein -- Inverse doping problems for semiconductor devices / G. Ali, I. Torcicollo, S. Vessella -- Vanishing viscosity solutions of hyperbolic systems of conservation laws with boundary / F. Ancona, S. Bianchini -- An operatorial description of stock markets / F. Bagarello -- Numerical simulation of models for reacting polytropic gases / C. Baranger, S. Pieraccini -- Heat conduction in a non-inertial frame / E. Barbera, I. Muller -- Nonlinear stability of uniform steady states and preservation of sign for a two-dimensional fourth-order reaction diffusion equation / M. V. Bartucelli. The non-relativistic limit of relativistic extended thermodynamics with many moments. pt. I: the balance equations / F. Borgherò, F. Demontis, S. Pennisi -- Hydrodynamic models for a two-band nonzero-temperature quantum fluid / G. Borgioli, G. Frosali, C. Manzini -- Vortex layers in the small

viscosity limit / R. E. Caflisch, M. Sammartino -- Mathematical study of the small oscillations of a pendulum filled by an inviscid, incompressible, almost homogeneous liquid / P. Capodanno, D. Vivona -- Influence of linear concentration heat source and parabolic density on penetrative convection onset / F. Capone, M. Gentile, S. Rionero. On penetrative convection in porous media driven by quadratic sources / F. Capone, M. Gentile, S. Rionero -- Non-linear Schrodinger equation in a two-fluid plasma / P. Carbonaro -- The non-relativistic limit of relativistic extended thermodynamics with many moments. pt. II: how it includes the mass, momentum and energy conservation / M. C. Carrisi, F. Demontis, S. Pennisi -- Existence and energy conservation for the Boltzmann equation / C. Cercignani -- From the big bang to future complete cosmologies / Y. Choquet-Bruhat -- First order weak nonlocality in extended thermodynamics of rigid heat conductors / V. A. Cimmelli, P. Van -- A semigroup of solutions for the Degasperis-Procesi equation / G. M. Coclite, K. H. Karlsen -- Numerical simulation of magnetically deflected transferred arc / V. Colombo, E. Ghedini, A. Mentrelli -- A note on balance laws for slow and fast chemical reactions / F. Conforto, M. Groppi -- Integration of partially integrable equations / R. Conte -- On the stability and asymptotic stability of steady solutions of the Navier-Stokes equations in unbounded domains / F. Crispo -- Reflection and transmission of acceleration waves in isotropic solids when a strong discontinuity occurs / C. Curr, G. Valenti, M. Sugiyama -- Instability of a pre-stressed solid-fluid mixture / F. Dell'Isola, N. Ianiro, L. Placidi -- Some further considerations on the Galilean relativity principle in extended thermodynamics / F. Demontis, S. Pennisi, F. Rundo -- Waves and vibrations in a solid of second grade / M. Destrade, G. Saccomandi -- About the large time behavior of dissipative equations when a priori bounds are slowly growing / L. Desvillettes -- Deformation waves in microstructured solids and dispersion / J. Engelbrecht ... [et al.] -- An allelopathic competition with an external toxicant input / P. Fergola, M. Cerasuolo -- Stability and other considerations for a nonlinear diffusion system / J. N. Flavin, M. F. McCarthy, S. Rionero -- Generalized rarefaction waves and Riemann problem for a class of dissipative hyperbolic models / D. Fusco, N. Manganaro -- An equilibrium point regularization for the Chen System / G. Gambino, M. C. Lombardo, M. Sammartino -- Nonclassical symmetry reductions of the Calogero-Degasperis-Fokas equation in (2+1) dimensions / M. L. Gandarias, S. Saez -- A linear instability analysis of the Benard problem for deep convection / A. Georgescu, A. Labianca, L. Palese -- Multicomponent reactive flows / V. Giovangigli -- Non-linear waves in fluids near the critical point / H. Gouin -- On Euler closures for reactive Boltzmann equations / M. Groppi, G. Spiga -- On the geomagnetic direction problem: a nonexistence result / R. Kaiser -- On the models of nonlocal nonlinear optics / B. G. Konopelchenko, A. Moro -- Closure of the balance laws for gaseous mixtures near chemical equilibrium / G. M. Kremer, M. Pandolfi Bianchi, A. J. Soares -- Caotic patterns in Lotka-Volterra systems with behavioral adaptation / D. Lacitignola, C. Tebaldi -- An Euler-Poisson model based on MEP for holes in semiconductors / S. La Rosa, V. Romano -- A hydrodynamical model for silicon bipolar devices / S. F. Liotta, G. Mascali -- Analysis of a mathematical model for the interaction between algae and light / M. Lisi, S. Totaro -- Singularities for Prandtl's equations / G. Lo Bosco, M. Sammartino, V. Sciacca -- Nonlocal boundary conditions for the Navier-Stokes equations / M. C. Lombardo, M. Sammartino -- On the Shizuta-Kawashima coupling condition for dissipative hyperbolic systems and acceleration waves / J. Lou, T. Ruggeri -- Pointwise stability of solutions of the Navier-Stokes

equations / P. Maremonti -- Bifurcation analysis for symmetric equilibria with localised magnetic shear in 2D RRMHD / L. Margheriti, C. Tebaldi -- Simulations at kinetic scale of relaxation models for slow and fast chemical reactions / R. Monaco, M. Pandolfi Bianchi, A. J. Soares -- An operative method to define generalized-energy functionals in PDEs and in convection problems / G. Mulone -- On the existence of high energy tails for the Boltzmann transport equation in semiconductors / O. Muscato -- Stability of solitons of the Zakharov-Rubenchik equation / F. Oliveira -- Global solutions of Boltzmann-type equations with three-body chemical interactions / F. Oliveira, A. J. Soares -- On an inverse problem in group analysis of PDE's: Lie-remarkable equations / F. Oliveri, G. Manno, R. Vitolo -- On the stability of the magnetic anisotropic Benard problem with hall and ion-slip current / L. Palese -- Higher-order shallow water equations, explicit solutions and the Camassa-Holm equation / D. F. Parker -- The Galilean relativity principle as non-relativistic limit of Einstein's one in extended thermodynamics / S. Pennisi, M. C. Carrisi, A. Scanu -- Equivalence of two known approaches to extended thermodynamics with 13 moments / S. Pennisi, M. C. Carrisi, A. Scanu -- Functionals for the coincidence between linear and nonlinear stability with applications to spatial ecology and double diffusive convection / S. Rionero -- Symmetry analysis for the quantum drift-diffusion model of semiconductors / V. Romano, M. Torrisi, R. Tracina -- Symmetries and reduction techniques for a dissipative model / M. Ruggieri, A. Valenti -- Symmetry analysis and linearization of the (2+1) dimensional Burgers equation / M. Senthilvelan, M. Torrisi -- Transfer properties of elastic materials with thin layers / M. P. Speciale, M. Brocato -- Wave propagation phenomena in solids near the melting point / M. Sugiyama -- Plain waves and vibrations in the elastic mixtures / M. Svanadze -- Maximum entropy principle for hydrodynamic analysis of the fluctuations of moments for the hot carriers in semiconductors / M. Trovato -- Soliton excitations in an inhomogeneous DNA molecular chain / V. Vasumathi, M. Daniel -- Stability of structured prey-predator model / M. Wang -- Decay estimates in chemotaxis: aggregation of glia and a possible application to Alzheimer's disease senile plaques / M. Webber, B. Straughan -- Extended thermodynamics with consistent order / W. Weiss -- One-dimensional stationary heat conduction in a rarefied gas at rest analyzed by consistent-order extended thermodynamics / N. Zhao, M. Sugiyama.
