1. Record Nr. UNINA9910257434203321

Titolo	11th International Conference on Numerical Methods in Fluid Dynamics [[electronic resource] /] / edited by Douglas L. Dwoyer, M. Yousuff Hussaini, Robert G. Voigt
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1989
ISBN	3-540-46141-8
Edizione	[1st ed. 1989.]
Descrizione fisica	1 online resource (XIII, 624 p. 520 illus.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 323
Disciplina	530.15
Soggetti	Physics Fluids Mathematical Methods in Physics Numerical and Computational Physics, Simulation Fluid- and Aerodynamics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Computational fluid dynamics — A personal view -- Computational models in plasma dynamics -- Parallel computers and parallel computing in scientific simulations -- CFD for hypersonic airbreathing aircraft -- Multigrid for the steady-state incompressible Navier-Stokes equations: A survey -- A survey of upwind differencing techniques -- Dynamical systems, turbulence and the numerical solution of the Navier-Stokes equations -- A comparative study of TV stable schemes for shock interacting flows -- A flow-field solver using overlying and embedded meshes together with a novel compact Euler algorithm -- Multidimensional adaptive Euler solver -- Internal swirling flow predictions using a multi-sweep scheme -- A pressure gradient field spectral collocation evaluation for 3-D numerical experiments in incompressible fluid dynamics -- Numerical study of the 3D separating flow about obstacles with sharp corners -- Finite volume TVD Runge Kutta scheme for Navier Stokes computations -- Godunov methods and adaptive algorithms for unsteady fluid dynamics -- Application of a second-order projection method to the study of shear layers -- A GRP-scheme for reactive duct flows in external fields -- Numerical solution

of the navier-stokes equations using orthogonal boundary-fitted coordinates -- Solution of the incompressible Navier-Stokes equations using artificial compressibility methods -- Adaptive finite element methods for three dimensional compressible viscous flow simulation in aerospace engineering -- Multigrid solvers for steady Navier-Stokes equations in a driven cavity -- Computation of hypersonic vortex flows with an Euler model -- A high resolution finite volume scheme for steady external transonic flow -- Development of a highly efficient and accurate 3D Euler flow solver -- Computation of rarefied hypersonic flows -- Gasdynamical simulation of meteor phenomena -- A coin variant of the Euler equations -- An implicit time-marching method for solving the 3-D compressible Navier-Stokes equations -- Low-storage implicit upwind-FEM schemes for the Euler equations -- An efficient nested iterative method for solving the aerodynamic equations -- A multigrid method for steady Euler equations based on polynomial flux-difference splitting -- Computation of viscous unsteady compressible flow about airfoils -- Parallel multilevel adaptive methods -- Adaptive grid solution for shock-vortex interaction -- Computer simulation of some types of flows arising at interactions between a supersonic flow and a boundary layer -- An implicit flux-vector splitting finite-element technique for an improved solution of compressible Euler equations on distorted grids -- Vortex methods for slightly viscous three dimensional flow -- Second order scheme in bidimensional space for compressible gas with arbitrary mesh -- Accurate simulation of vortical flows -- Accuracy of node-based solutions on irregular meshes -- Solutions of the incompressible Navier-Stokes equations using an upwind -differenced TVD scheme -- Three-dimensional numerical simulation of compressible, spatially evolving shear flows -- A velocity/vorticity method for viscous incompressible flow calculations -- Pulsatile flows through curved pipes -- Spurious oscillation of finite difference solutions near shock waves and a new formulation of “TVD” scheme -- Numerical study of steady flow past a rotating circular cylinder -- Numerical simulation of the flow about a wing with leading-edge vortex flow -- Multigrid calculations for cascades -- Unsteady and turbulent flow using adaptation methods -- RNS solutions for three-dimensional steady incompressible flows -- Numerical study of unsteady viscous hypersonic blunt body flows with an impinging shock -- Upwind schemes, multigrid and defect correction for the steady Navier-Stokes equations -- A pseudospectral matrix element method for solution of three-dimensional incompressible flows and its implementation on a parallel computer -- Numerical resolution of the three-dimensional Navier-Stokes equations in velocity-vorticity formulation -- Calculation of shocked flows by mathematical programming -- Universal limiter for high order explicit conservative advection schemes -- A comparison of numerical schemes on triangular and quadrilateral meshes -- The finite volume-element method (FVE) for planar cavity flow -- Adaptive remeshing for transient problems with moving bodies -- Axisymmetric vortex breakdown in an enclosed cylinder flow -- Numerical analysis of a multigrid method for spectral approximations -- Asymmetric separated flows about sharp cones in a supersonic stream -- A flux split algorithm for unsteady incompressible flow -- Inverse method for the determination of transonic blade profiles of turbomachineries -- Large eddy simulation of the turbulent flow in a curved channel -- Interaction of an oblique shock wave with supersonic turbulent blunt body flows -- Shock recovery and the cell vertex scheme for the steady Euler equations -- A new multigrid approach to convection problems -- A finite-element method on prismatic elements for the three-dimensional Navier-Stokes

equations -- Vortices around cylinder in confined flows -- Coupling physical processes in simulations of chemically reactive flows -- Explicit evaluation of discontinuities in 2-D unsteady flows solved by the method of characteristics -- Direct method for solution of three-dimensional unsteady incompressible Navier-Stokes equations -- Hypercube algorithms for turbulence simulation -- Adaptive numerical solutions of the Euler equations in 3D using finite elements -- Parallel heterogeneous mesh refinement for advection-diffusion equations -- Simulation of inviscid hypersonic real gas flows -- Efficient spectral algorithms for solving the incompressible Navier-stokes equations in unbounded rectangularly decomposable domains -- Computation of the threedimensional wake of a shiplike body 1989 -- Simulation of unsteady flow past sharp shoulders on semi-infinite bodies -- Semi-implicit finite-difference simulation of laminar hypersonic flow over blunt bodies -- Numerical simulation of unsteady incompressible viscous flows in generalized coordinate systems -- Accuracy of the marching method for parabolized Navier-Stokes Equations -- Transonic analysis of arbitrary configurations using locally refined grids -- Group explicit methods for solving compressible flow equations on vector and parallel computers -- Interactions of a flexible structure with a fluid governed by the Navier-Stokes equations -- Navier-Stokes simulation of transonic flow about wings using a block structured approach -- On time discretization of the incompressible flow -- A detailed analysis of inviscid flux splitting algorithms for real gases with equilibrium or finite-rate chemistry -- Convergence of the spectral viscosity method for nonlinear conservation laws -- Inviscid and viscous flow simulations around the ONERA-M6 wing by TVD schemes -- Shock propagation over a circular cylinder -- Three-dimensional computation of unsteady flows around a square cylinder -- Transonic flow solutions on general 3D regions using composite-block grids -- Steady-state solving via stokes preconditioning; Recursion relations for elliptic operators -- Hybrid conservative characteristic method for flows with internal shocks -- Improving the accuracy of central difference schemes -- Computation of high reynolds number flows around airfoils by numerical solution of the Navier-Stokes equations -- Diagonal implicit multigrid solution of the three-dimensional Euler equations -- Numerical simulation of taylor vortices in a spherical gap -- Numerical calculation of hypersonic flow by the spectral method -- 1.D transient crystal growth in closed ampoules: an application of the P.I.S.O. algorithm to low mach number compressible flows -- Nonisentropic potential calculation for 2-D and 3-D transonic flow.

Sommario/riassunto

Along with almost a hundred research communications this volume contains six invited lectures of lasting value. They cover modeling in plasma dynamics, the use of parallel computing for simulations and the applications of multigrid methods to Navier-Stokes equations, as well as other surveys on important techniques. An inaugural talk on computational fluid dynamics and a survey that relates dynamical systems, turbulence and numerical solutions of the Navier-Stokes equations give an exciting view on scientific computing and its importance for engineering, physics and mathematics.

2. Record Nr. UNINA9910779315303321

Autore	Flad Rowan K.
Titolo	Ancient Central China : centers and peripheries along the Yangzi River / / Rowan K. Flad, Pochan Chen [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2013
ISBN	1-107-23387-9 1-139-85367-8 1-139-84459-8 1-139-83985-3 1-107-25533-3 1-139-03485-5 1-139-84223-4 1-139-84104-1 1-283-94349-2
Descrizione fisica	1 online resource (xxii, 412 pages) : digital, PDF file(s)
Collana	Case studies in early societies
Classificazione	SOC003000
Disciplina	931
Soggetti	Neolithic period - China - Yangtze River Region Bronze age - China - Yangtze River Region Antiquities, Prehistoric - China - Yangtze River Region Yangtze River Region (China) Antiquities Yangtze River Region (China) Civilization
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. I. Setting the stage -- pt. II. Political and cultural topographies -- pt. III. Topographies of economic activity and ritual.
Sommario/riassunto	Ancient Central China provides an up-to-date synthesis of archaeological discoveries in the upper and middle Yangzi River region of China, including the Three Gorges Dam reservoir zone. It focuses on the Late Neolithic (late third millennium BC) through the end of the Bronze Age (late first millennium BC) and considers regional and interregional cultural relationships in light of anthropological models of landscape. Rowan K. Flad and Pochan Chen show that centers and peripheries of political, economic and ritual activities were not

	coincident, and that politically peripheral regions such as the Three Gorges were crucial hubs in interregional economic networks, particularly related to prehistoric salt production. The book provides detailed discussions of recent archaeological discoveries and data from the Chengdu Plain, Three Gorges and Hubei to illustrate how these various components of regional landscape were configured across Central China.

3.

Record Nr.	UNINA9910978239503321
Autore	Hach Sascha
Titolo	Rule and Resistance in the Nuclear Order : The Subversive Struggle for a Nuclear Weapons Ban
Pubbl/distr/stampa	Bielefeld : , : transcript Verlag, , 2025 ©2025
ISBN	9783839476680 3839476682
Edizione	[1st ed.]
Descrizione fisica	1 online resource (301 pages)
Collana	Edition Politik ; ; 184
Altri autori (Persone)	ArndtMaria
Soggetti	Kernwaffe Widerstand Atomare Rüstung Rüstungsbegrenzung Internationales politisches System Nonproliferation Herrschaftssystem Zivilgesellschaft POLITICAL SCIENCE / International Relations / General
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Cover -- Contents -- Acknowledgments -- Introduction &amp -- research design -- Relevance &amp -- research question -- Summary -- Methodology -- Case selection -- Data basis -- Primary sources for

the analysis of the TPN norm genesis and substance -- Qualitative interviews -- Reflections -- Outline of the analysis -- State of the art -- 1. Analytical framework -- 1.1 Rule &amp -- resistance -- Rule -- Resistance -- 1.2 Critical &amp -- postcolonial perspective -- Epistemic &amp -- discursive continuity -- Colonial imprints in the nuclear order -- Excessive Violence -- Eurocentrism -- Primacy of the state -- Racism -- Economic exploitation -- Patriarchal domination -- 2. The NPT as founding treaty of nuclear rule -- 2.1 The nuclear order -- 2.2 The nonproliferation regime as a system of rule -- 2.3 Dynamics of rule &amp -- resistance within the NPT -- 2.4 Regime failure on disarmament -- 3. The TPN: product of a subversive struggle of resistance -- 3.1 Who resists? The "Humanitarian Initiative" -- Individual states &amp -- the core group -- Groups of states &amp -- the Global South -- Civil society &amp -- ICAN -- The ICRC &amp -- academia -- Cooperation in a multistakeholder network -- 3.2 When were forces joined? The NPT as a point of departure &amp -- return -- Connecting at the Review Conference 2010 -- Showdown at the Review Conference 2015 -- 3.3 What do they say? Communicating &amp -- opening space with a humanitarian code -- Humanitarian reframing of nuclear weapons discourse -- Humanitarian Statements -- The Conferences on the Humanitarian Impact of Nuclear Weapons -- 3.4 What do they mean? Underlying resistant motivations -- Against nuclear rule, for radical but gentle change -- Objecting to hierarchy &amp -- discrimination -- Questioning institutionalization -- Condemning poor performance, imbalance &amp -- injustice. Pursuing equality and diversity -- Challenging NWS and empowering NNWS -- Driving dynamization and change -- Preserving (which?) status quo -- Summary -- Selective anticolonial impetus -- Addressing postcolonial continuity in testing -- Rejecting nuclear violence -- Promoting a subaltern perspective -- Standing up for human security -- Isolated criticism of nuclear racism -- Complaining about economic unfairness -- Debating gender sensitivity -- Summary -- 3.5 How to resist? Subversion by changing procedures -- The open ended working group: a rebellion according to the rules -- Negotiating without nuclear weapon states -- 3.6 Which were the reactions &amp -- output? Backfire &amp -- potential for change -- Attempts to contain the resistance -- A founding treaty of a transformative, yet conservative nuclear order -- Conclusion -- Role of rule &amp -- resistance in the Humanitarian Initiative &amp -- TPN process -- Complex influence of the anticolonial impetus -- The puzzle (and limits) of success: a struggle of subversive opposition -- Questions arising for further research -- Postscript -- Abbreviations -- References.

Sommario/riassunto

The structures of rule in the Nuclear Non-Proliferation Treaty (NPT) have been challenged by the Humanitarian Initiative and the Treaty on the Prohibition of Nuclear Weapons (TPN). How could this rebellion of comparatively small players against the militarily most powerful states in the world succeed? The answer lies in the formation of an alliance of non-nuclear weapon states and civil society using subversive techniques to counter the discursive and procedural dominance of nuclear weapon states. This resistance was also partially motivated by anti-colonialism. With his analysis, Sascha Hach reveals patterns of exercising power in international relations, the functioning of the nuclear order, and creative methods of success in resistance.