1. Record Nr.   UNINA9910703818003321

   Titolo   Data on solar event of May 23, 1967 and its geophysical effects / / compiled by J. Virginia Lincoln ; prepared by Research Laboratories, ESSA, Boulder, Colorado

   Pubbl/distr/stampa   Asheville, North Carolina : , : U.S. Department of Commerce, Environmental Science Services Administration, Environmental Data Service, , 1969

   Descrizione fisica   1 online resource (120 pages) : illustrations

   Collana   Report UAG ; ; 5

   Soggetti   Solar flares
                    Solar activity

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Note generali   At head of title: World Data Center A, Upper Atmospheric Geophysics.
                    "February 1969."
                    Title from title screen (viewed August 5, 2015).

   Nota di bibliografia   Includes bibliographical references.

2.	Record Nr.	UNINA9911019141903321
	Autore	Ansorge R (Rainer), <1931->
	Titolo	Mathematical models of fluiddynamics : modelling, theory, basic numerical facts : an introduction / / Rainer Ansorge
	Pubbl/distr/stampa	Weinheim, : Wiley-VCH, c2003
	ISBN	1-280-52103-1
		9786610521036
		3-527-60639-4
		3-527-60277-1
	Descrizione fisica	1 online resource (189 p.)
	Disciplina	532.05
		532.05015118
		532.5015118
		532/.05/015118
	Soggetti	Fluid dynamics - Mathematical models
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references (p. [181]-182) and index.
	Nota di contenuto	3.3 Uniqueness of Entropy Solutions3.4 The Ansatz due to Kruzkov; 4 The Riemann Problem; 4.1 Numerical Importance of the Riemann Problem; 4.2 The Riemann Problem in the Case of Linear Systems; 5 Real Fluids; 5.1 The Navier-Stokes Equations Model; 5.2 Drag Force and the Hagen-Poiseuille Law; 5.3 Stokes Approximation and Artificial Time; 5.4 Foundations of the Boundary Layer Theory; Flow Separation; 5.5 Stability of Laminar Flows; 6 Existence Proof for Entropy Solutions by Means of Discretization Procedures; 6.1 Some Historical Remarks; 6.2 Reduction to Properties of Operator Sequences 6.3 Convergence Theorems6.4 Example; 7 Types of Discretization Principles; 7.1 Some General Remarks; 7.2 The Finite Difference Calculus; 7.3 The CFL Condition; 7.4 Lax-Richtmyer Theory; 7.5 The von Neumann Stability Criterion; 7.6 The Modified Equation; 7.7 Difference Schemes in Conservation Form; 7.8 The Finite Volume Method on Unstructured Grids; Some Extensive Monographs; Index
	Sommario/riassunto	This introduction to the field contains a careful selection of topics and examples without sacrificing scientific strictness. The author guides

readers through mathematical modelling, the theoretical treatment of the underlying physical laws and the construction and effective use of numerical procedures to describe the behaviour of the dynamics of physical flow. Both students and experts intending to control or predict the behavior of fluid flows by theoretical and computational fluid dynamics will benefit from the combination of all relevant aspects in one handy volume.The book consists o