

1. Record Nr.	UNINA9910818016103321
Autore	Groah Jeff
Titolo	Shock-wave solutions of the Einstein equations with perfect fluid sources : existence and consistency by a locally inertial Glimm scheme // Jeff Groah, Blake Temple
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 2004 ©2004
ISBN	1-4704-0414-1
Descrizione fisica	1 online resource (98 p.)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; Volume 172, Number 813
Disciplina	531.1133
Soggetti	Conservation laws (Physics) Einstein field equations Shock waves Singularities (Mathematics) General relativity (Physics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Volume 172, Number 813 (second of 4 numbers)."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Contents""; ""1 Introduction""; ""1.1 The Proof Strategy""; ""1.2 A Locally Inertial Glimm Scheme""; ""1.3 The Smoothness Class of the Metric""; ""2 Preliminaries""; ""3 The Fractional Step Scheme""; ""4 The Riemann Problem Step""; ""5 The ODE Step""; ""6 Estimates for the ODE step""; ""7 Analysis of the Approximate Solutions""; ""8 The Elimination of Assumptions""; ""9 Convergence""