

Shock-wave Solutions Of The Einstein Equations With Perfect Fluid Sources: Existence And Consistency By A Locally Inertial Glimm Scheme

by Jeff Groah; Blake Temple

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. Shock-Wave Solutions of the Einstein Equations with Perfect Fluid Sources: Existence and Consistency by a Locally Inertial Glimm Scheme. Jeff Groah Shock wave interactions in general relativity - UC Davis Mathematics 25 Aug 2009 . Expansion waves and shock waves are fundamental to conservation laws .. Existence and consistency by a locally inertial Glimm Scheme. Hyperbolic Problems: Theory, Numerics, Applications: Proceedings . - Google Books Result 3 Oct 2013 . (point-wise), for constructing locally inertial frames. A single shock wave being present in the Einstein equations is .. In fact, the unique solution of (3) and (4) is given by: $[J_t, 0, t, j_i]$.. Equations with Perfect Fluid Sources: Existence and Consistency by a Locally Inertial Glimm Scheme, Memoirs AMS, Vol. Shock-Wave Solutions Of The Einstein Equations With Perfect Fluid . 4, (2000). 13. J. Groah and B. Temple, shock wave solutions of the spherically symmetric. Einstein equations with perfect fluid sources: existence and consistency by a locally inertial Glimm scheme, Memoirs of the AMS, 172, No. 813, pp. 1-84. Shock-Wave Solutions of the Einstein Equations with Perfect Fluid . initial value problem for shock wave solutions of the Einstein equations in . ground for the introduction of a locally inertial Glimm Scheme, a symmetric Einstein equations for a perfect fluid, starting from initial In particular, the result establishes the consistency of the goal: proving a certain local existence theorem. 1 Introduction SHOCK WAVES AND GRAVITATIONAL WAVES IN MATTER . 1 Oct 2004 . Shock-Wave Solutions Of The Einstein Equations With Perfect Fluid Sources: Existence And Consistency By A Locally Inertial Glimm Scheme Shock-Wave Solutions of the Einstein Equations with Perfect Fluid .