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NUMERICAL SOLUTION OF HYPERBOLIC PARTIAL DIFFERENTIAL EQUATIONS JOHN A. TRANGENSTEIN Department of Mathematics, Duke University Durham, NC 27708-0320

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Numerical solution of partial differential equations Dr. Louise Olsen-Kettle The University of Queensland School of Earth Sciences Centre for Geoscience Computing

Numerical solution of partial differential equations

The idea behind all numerical methods for hyperbolic systems is to use the fact that the system is locally diagonalisable and thus can be reduced to a set of scalar equations. For this reason, before going to systems it will be useful to first understand the scalar

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