

Dietmar Kröner Mario Ohlberger
Christian Rohde (Eds.)

An Introduction to Recent Developments in Theory and Numerics for Conservation Laws

Proceedings of the
International School on Theory and Numerics
for Conservation Laws,
Freiburg/Littenweiler, October 20–24, 1997



Springer

Table of Contents

An Introduction to Kinetic Schemes for Gas Dynamics.....	1
<i>Benoit Perthame</i>	
An Introduction to Nonclassical Shocks of Systems of Conservation Laws	28
<i>Philippe G. LeFloch</i>	
Viscosity and Relaxation Approximation for Hyperbolic Systems of Conservation Laws	73
<i>Athanasios E. Tzavaras</i>	
A Posteriori Error Analysis and Adaptivity for Finite Element Approximations of Hyperbolic Problems	123
<i>Endre Süli</i>	
Numerical Methods for Gasdynamic Systems on Unstructured Meshes	195
<i>Timothy J. Barth</i>	