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Sommario/riassunto

A broad range of phenomena in science and technology can be described by non-linear partial differential equations characterized by systems of conservation laws with source terms. Well known examples are hyperbolic systems with source terms, kinetic equations, and convection-reaction-diffusion equations. This book collects research advances in numerical methods for hyperbolic balance laws and kinetic equations together with related modelling aspects. All the contributions are based on the talks of the speakers of the Young Researchers' Conference "Numerical Aspects of Hyperbolic Balance Laws and Related Problems", hosted at the University of Verona, Italy, in December 2021.
