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Nota di contenuto	<p>""Contents""; ""Preface""; ""A hyperbolic model of granular flow""; ""1. The model of granular flow""; ""2. Global smooth solutions""; ""3. Global existence of large BV solutions""; ""4. Global BV solutions of an initial boundary value problem""; ""5. Slow erosion limit""; ""References""; ""Hilbertian approaches to some non-linear conservation laws""; ""On the asymptotic behavior of the gradient flow of a polyconvex functional""; ""On degenerate partial differential equations""; ""Symmetric solutions to multi-dimensional conservation laws""</p> <p>""Product estimates for wave-Sobolev spaces in $2 + 1$ and $1 + 1$ dimensions""</p> <p>""1. Introduction""; ""2. Notation and preliminaries""; ""3. The case $b_0 = b_1 = 0 < b_2$""; ""4. The case $b_0 = 0 < b_1, b_2$ in $2d$""; ""5. The case $0 < b_0, b_1, b_2$ in $2d$""; ""6. The case $b_0 < 0 < b_1, b_2$ in $2d$""; ""7. The product law in $1d$""; ""References""; ""On the Cauchy problem for the modified Korteweg-de Vries equation with steplike finite-gap initial data""; ""Asymptotic analysis in thermodynamics of viscous fluids""; ""1. Introduction""; ""2. Mathematical theory of fluid</p>

dynamics"; "3. Long-time behavior"

"4. Scale analysis""References"; "Well-posedness and blow-up phenomena for a modified two-component Camassa-Holm equation";

"Instability of solitary waves for a nonlinearly dispersive equation";

"Kinetic relations for undercompressive shock waves. Physical, mathematical, and numerical issues"; "Global regularity, and wave breaking phenomena in a class of nonlocal dispersive equations";

"Potential based, constraint preserving, genuinely multi-dimensional schemes for systems of conservation laws"; "A local and low-order Navier-Stokes-Korteweg system"

"Local existence for viscous system of conservation laws: Hs-data with $s > 1 + d/2$ ""Finite difference methods for discretizing singular

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