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"The Riemann problem for a system of conservation laws modeling phase transitions"; "Detonation waves and deflagration waves in the one dimensional ZND model for high Mach number combustion"; "The Riemann solution to a system of conservation laws, with application to a non-zero sum game"; "Asymptotic stability of planar rarefaction waves for scalar viscous conservation laws in several dimensions"; "Riemann problem for a combustion model system: the existence and basic structure of the self-similar solutions"; "Dynamic instability of the liquid crystal director"

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