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**Eun Heui Kim\*** (eunheui.kim@csulb.edu). *Transonic problems in multidimensional conservation laws.*

We discuss the recent progress on transonic two-dimensional Riemann problems. We focus on the nonlinear wave system, which is a reduced system from the Compressible Euler system, and discuss the existence, regularity and numerical results for transonic shocks and sonic (degenerate) boundary value problems for the governing system. (Received September 12, 2017)