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”Well-Posedness of Hyperbolic Systems of Conservation Laws with Large Data”

ABSTRACT:

The system of conservation laws in one space dimension is the first order PDE: $u_t + f(u)_x = 0$. Several fundamental laws of physics take form of a conservation equation. In this talk, we will present an overview of the related well-posedness theory, particularly focusing on the speaker’s work about the stability of large waves.