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Wen-Xiu Ma* (mawx@cas.usf.edu), 4202 E Fowler Avenue, Tampa, FL 33620. *Symmetries and conservation laws of evolution equations*. Preliminary report.

The talk is about formulations of conservation laws of evolution equations. Symmetries, adjoint symmetries, Hamiltonian pairs, and Lax pairs are key objects used in generating schemes. The talk is self-contained and shows a few basic theories in soliton theory. (Received January 02, 2017)