Stephen Gustafson* (gustaf@math.ubc.ca), UBC Mathematics, 1984 Mathematics Rd., Vancouver, BC V6T1Z2, Canada. Asymptotic stability in some nonlinear Schroedinger-type equations.

Despite the conservative nature of some nonlinear wave systems, it is well-known that certain stable solutions may, in fact, be asymptotically stable, due to dispersion. We review some results on asymptotic stability of coherent structures for some nonlinear wave systems, especially for some physically relevant nonlinear Schroedinger-type equations. (Received August 12, 2008)