

1041-35-260

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)