

1050-35-118

Walid Abou Salem* (walid@math.utoronto.ca), Department of Mathematics, University of Toronto, 40 St. George Street, Toronto, ON M5S2E4, Canada. *Tunneling of solitons through potential barriers.*

I discuss recent rigorous results on the resonance tunneling of solitons through potential barriers for the generalized nonlinear Schrodinger equation in one spatial dimension. (Received March 02, 2009)