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Vishal Vasan* (vasan@math.psu.edu). *Numerical solution of the time dependent water-wave equations.*

In this talk I shall present a method to solve for the time dependent motion of the free surface of a fluid. I shall discuss the advantages and applicability of this method as well as compare the method with well-known techniques that follow from the work of Craig & Sulem (1993). (Received February 14, 2013)