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Xinyao Yang* (xywp8@mail.missouri.edu), 701 S Providence Road, Apt 1I, Columbia, MO 65203. *Stability estimates for semigroups on Banach space.*

In this presentation, I will examine how partial differential equations can be supplemented by phase conditions that can help researchers to compute nonlinear waves as regular zeros of the resulting nonlinear system. (Received August 16, 2012)