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**Jeongwhan Choi\*** (jchoi@korea.ac.kr), Sungbukgu Anamdong 5-1, Seoul, 136-701, South Korea, and **Shuming Sun**. *On the Stability of KdV equation with a forcing term.*

We derive a time dependent forced KdV is derived from an incompressible fluid flow over an obstruction and study the Stability of the equation both theoretically and numerically. A cut off value of Froude number is found above which steady solitary-wave-like wave solutions exist and below which no steady wave exists. (Received September 23, 2006)