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Jeongwhan Choi* (jchoi@korea.ac.kr), Dept. of Math., Korea University, Seoul, South Korea,
and **SungIm Whang, Shu-Ming Sun, Dal-Soo Lee** and **Sangho Oh**. *Supercritical surface
waves generated by a positive forcing - Theory and Experiments.*

Two dimensional surface waves of an inviscid and incompressible fluid of constant density are studied. A forced KdV equation is derived when the horizontal speed at far upstream is near a critical number. We study the equation theoretically and numerically. Experiments corresponding to some numerical solutions are also carried out. (Received January 22, 2010)