

Abstract Submitted  
for the DFD05 Meeting of  
The American Physical Society

**Stokes waves with viscosities** JIN WANG, Duke University — We study the influence of viscosities on travelling Stokes waves of permanent form. Our numerical results suggest that slight viscous effects on a Stokes wave merely cause the wave to dissipate while remaining a member of the family. This observation is justified by performing formal asymptotic analysis.

Jin Wang  
Duke University

Date submitted: 04 Aug 2005

Electronic form version 1.4