1016-76-65 Jerry L Bona\* (bona@math.uic.edu), Dept. Mathematics, Statistics & Computer Sci., University of Illinois at Chicago, 851 S. Morgan Street MC 249, Chicago, IL 60607, and Jean-Claude Saut. Ill posedness results for water wave models and rogue waves. Preliminary report.

We discuss dispersive blow-up phenomena connected with various water wave models. We then speculate about the relevance of these results to the formation of rogue waves. (Received February 13, 2006)