

1125-35-1900      **Benjamin Harrop-Griffiths\*** ([benjamin.harrop-griffiths@cims.nyu.edu](mailto:benjamin.harrop-griffiths@cims.nyu.edu)). *Long time behavior of solutions to the mKdV.*

We discuss the long time behavior of solutions to the modified Korteweg-de Vries equation on the real line. For sufficiently small, smooth, decaying data we prove global existence and derive modified asymptotics without relying on complete integrability. (Received September 19, 2016)