

On the long-time asymptotics for the dispersionless Camassa-Holm equation

Gerald Teschl

Faculty of Mathematics, University of Vienna, Austria

gerald.teschl@univie.ac.at

We discuss the inverse spectral transform for the dispersionless Camassa-Holm equation, where the associated momentum is a finite signed measure. In particular, we show that initial conditions with integrable momentum asymptotically split into a sum of peakons as conjectured by McKean. This is joint work with Jonathan Eckhardt.