

1124-35-335

Benjamin Harrop-Griffiths* (benjamin.harrop-griffiths@cims.nyu.edu), **Mihaela Ifrim**
and **Daniel Tataru**. *The lifespan of small data solutions to the KP-I.*

We show that for small, localized initial data in a Galilean-invariant space, there exists a global solution to the Kadomtsev–Petviashvili I equation, using the method of testing by wave packets. This is joint work with Mihaela Ifrim and Daniel Tataru. (Received September 12, 2016)