1125-35-2034   **Jacek Jendrej*** (`jacek@math.uchicago.edu`). *On pure two-bubbles for focusing energy-critical dispersive equations.*

We consider some focusing energy-critical dispersive equations with radially symmetric data. These equations admit stationary solutions called "bubbles". Due to the scaling symmetry, the stationary states form a non-compact one-parameter family. We study solutions which converge in the energy space to a sum of two bubbles. These bubbles are decoupled in the sense that they are concentrated at scales whose ratio converges to zero. In the radially symmetric case, such solutions are the simplest purely non-dispersive objects other than the stationary states. (Received September 19, 2016)