

On the Soliton resolution for the focusing energy critical wave equation

Abstract : We consider the soliton resolution conjecture for global solutions to the focusing energy critical wave equation, in space dimension 3. This result is fully proved for all time in the radial case. Then in the nonradial case, we prove it along a séquence of times. This is an important step towards the full soliton résolution in the nonradial case and without any size restrictions.

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