

Scattering, blowup, and criticality for semilinear wave equations with power nonlinearities

In the first part I will give a brief overview of what is known and what are the main open problems. In the second part I will discuss recent work on the cubic wave equation which indicates the existence of a universal attractor for a large open set of initial data. This attractor, given by a two-parameter family of explicit solutions, encompasses both global in time and blow-up solutions.