

# THE SOLITON RESOLUTION CONJECTURE FOR EQUIVARIANT WAVE MAPS

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I will present a joint work with Jacek Jendrej (CRNS, Sorbonne Paris Nord) on equivariant wave maps with values in the two-sphere. We prove that every finite energy solution resolves, as time passes, into a superposition of harmonic maps (solitons) and radiation, settling the soliton resolution problem for this equation. We will discuss some of the motivations behind the soliton resolution conjecture and some of the techniques involved in the proof.