

# Stability of blowup for wave maps outside of symmetry

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The wave maps equation is a geometric, nonlinear wave equation that serves as a good toy model for more complicated wave equations, such as the Einstein equations. For spherical targets there exists in each supercritical dimension an explicit solution to the wave maps equation that blows up in finite time. Under a certain symmetry assumption the stability of this solution has been established within the last 15 years or so. In this talk I will present the proof of stability without any symmetry assumptions. The proof relies on semigroup theory, where handling the spectrum of a non-selfadjoint generator is the main technical difficulty.

This is joint work with Roland Donninger.