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Continuity of generalized wave maps on the sphere. (English) Zbl 1389.35230
[Differ. Integral Equ.](#) 29, No. 3-4, 309-320 (2016).

Summary: We consider a generalization of wave maps based on the Adkins-Nappi model of nuclear physics. In particular, we show that solutions to this equation remain continuous at the origin, which is a first step towards establishing a regularity theory for this equation.

MSC:

[35L70](#) Second-order nonlinear hyperbolic equations

[81T13](#) Yang-Mills and other gauge theories in quantum field theory

Keywords:

[Cauchy problem](#); [symmetry](#); [smooth local solution](#)

Full Text: [arXiv](#)