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Skyrmions from Harmonic Maps

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Abstract: We describe some relations between solitonic solutions of various models in different dimensions. We present some examples and then concentrate on some of our recent work (performed in collaboration with Ioannidou and Piette) \cite{IPZ} \cite{us2} which shows how some harmonic maps from S^2 to CP^{N-1} can be used to find nontrivial spherically symmetric static solutions of the SU(N) Skyrme model in 3 dimensions and to generate some of its low energy field configurations.

 [Keywords](#)
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