

Publications and Preprints

Nikos I. Karachalios in [AMS-Mathematical Reviews, ZbMath, Scopus, Web of Science]* , [Google Scholar](#)

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Book (edited) R. Carretero-González, J. Cuevas, D. J. Frantzeskakis, N. I. Karachalios, P. G. Kevrekidis, F. Palmero. (eds.) *Localized Excitations in Nonlinear Complex Systems: Current State of the Art and Future Perspectives*. [Nonlinear Systems and Complexity](#) 7, Springer, 2014

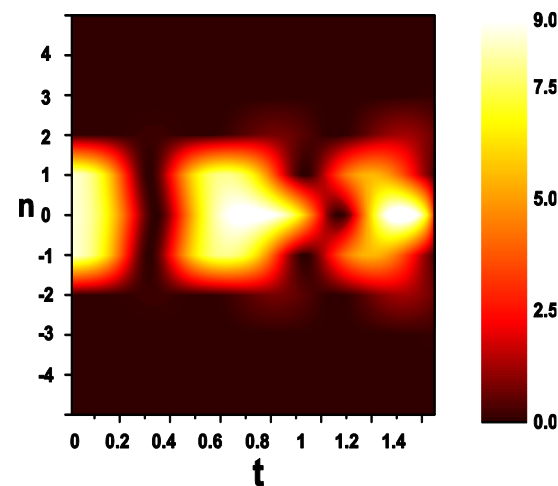
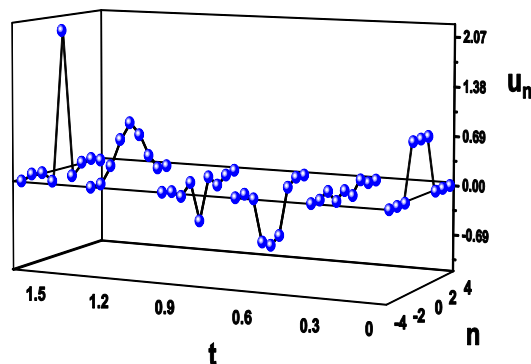
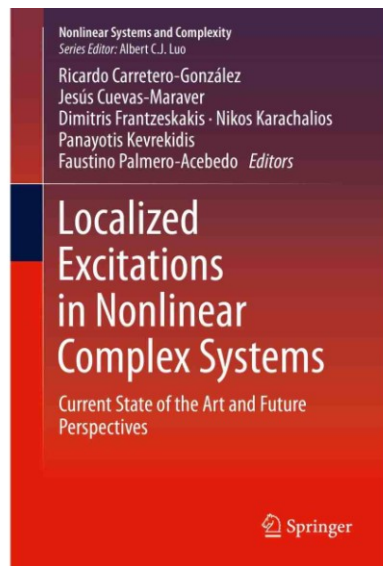
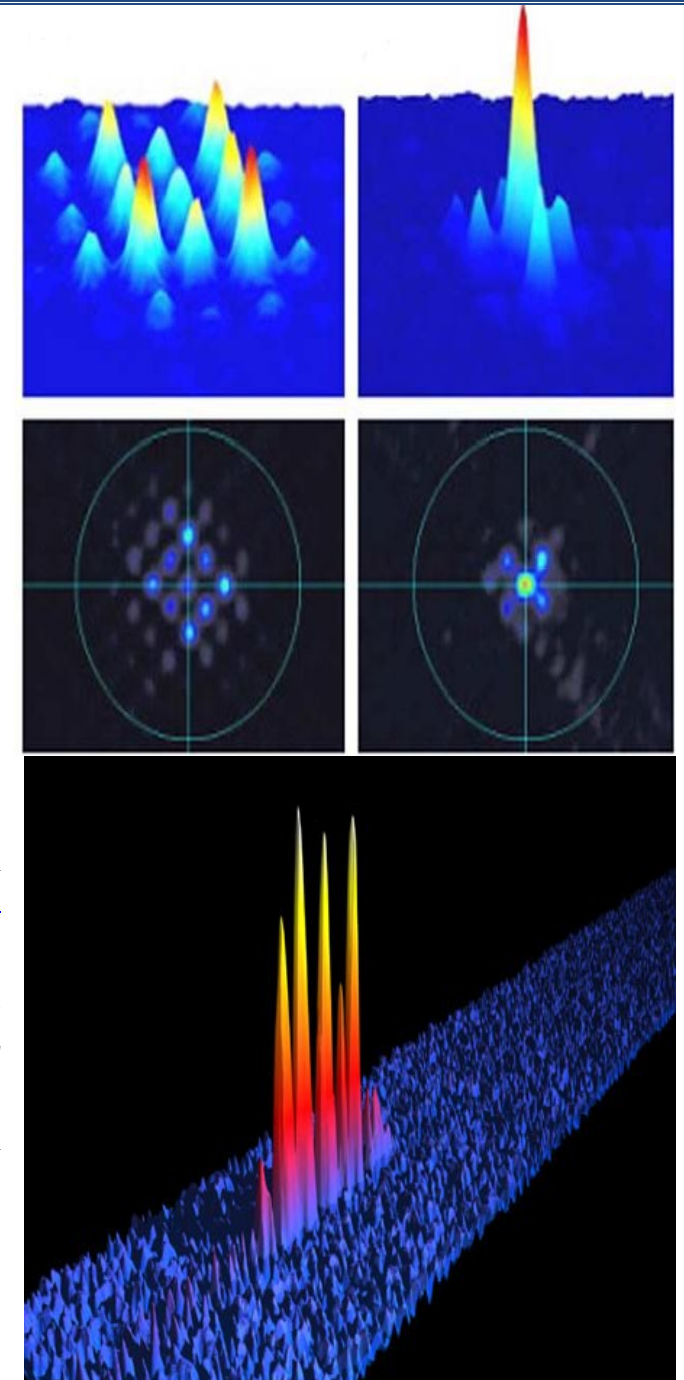


Figure: (a) Escape of a 3-unit lattice segment from a potential well of depth $U=1$. Initial positions at $U=0.69$.
(b) Progressive energy localization on the 3-unit segment. The pictures are from [28].

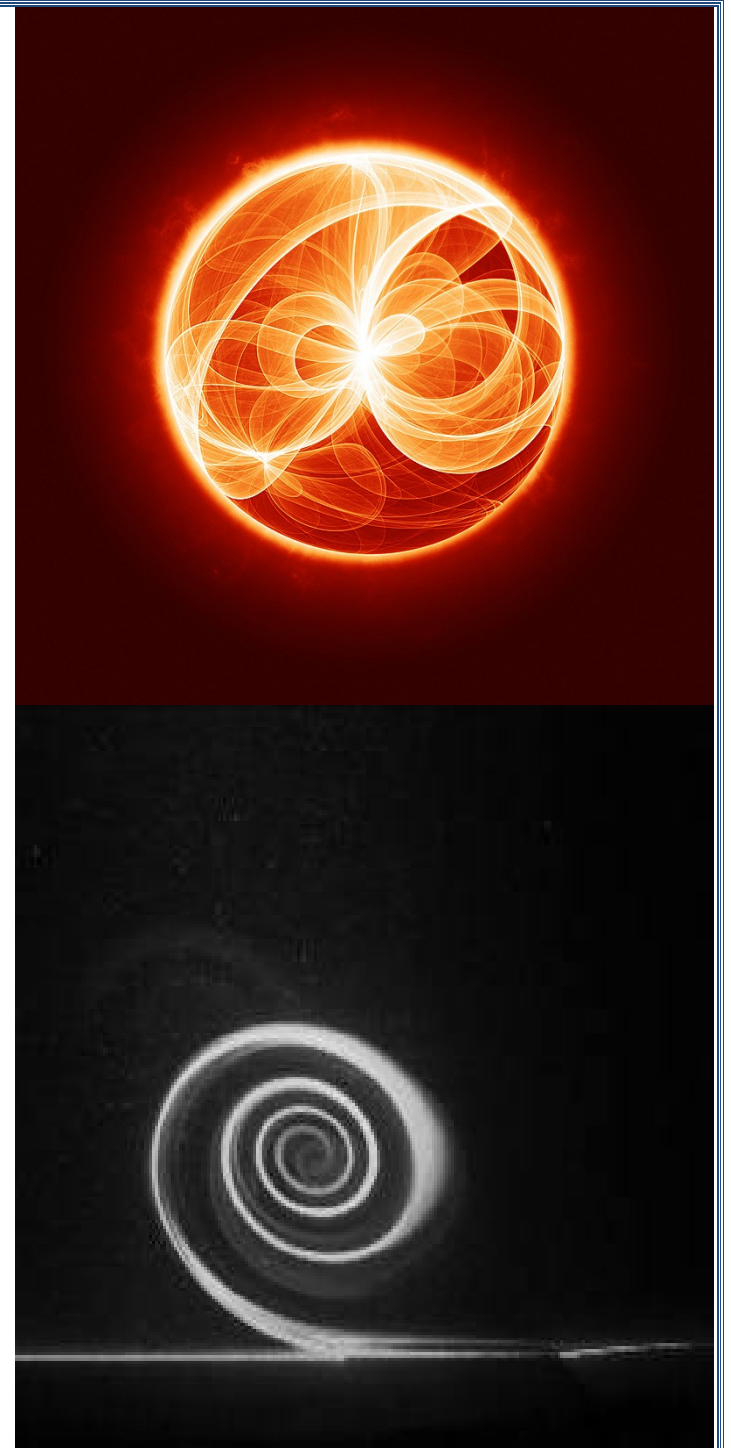
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45. N. Gialelis, N. I. Karachalios and I. G. Stratis. Regularity of nonvanishing-at infinity or at the boundary-solutions of the defocusing nonlinear Schrödinger equation. [Communications in Partial Differential Equations](#) 46 (2021) 233-281 (49pp). [Link](#). [Preprint](#).

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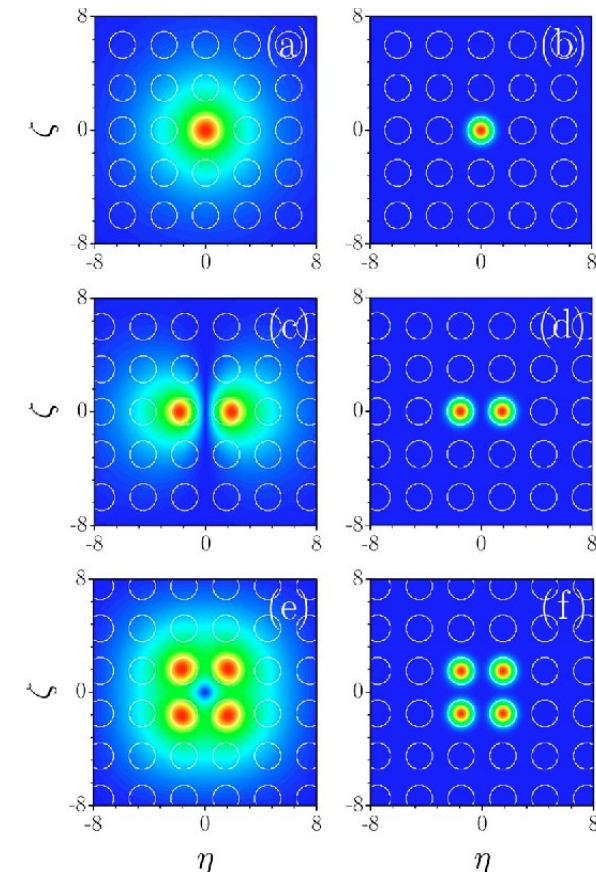
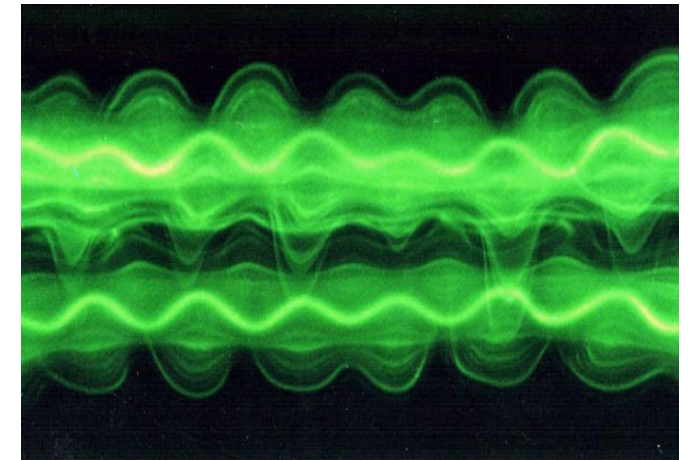
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(If you like posters, see [one](#) on Discrete Solitons, created and presented by Jesús Cuevas in "SOLIQANTUM 2006" meeting, Cuenca, Spain, 27-30 September 2006.)

