

AVVISO

Seminario di Fotonica

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Manipulating phase symmetries in optical cavities

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Abstract: We will be discussing optical patterns, notably spatial solitons, as useful structures allowing the codification, storage and processing of information. I will elaborate on an innovative technique, termed rocking, which is able to transform the continuous phase symmetry of nonlinear oscillators into a phase-bistable situation, where spatial solitons emerge. I will present a review of theoretical and experimental results confirming the usefulness of rocking.

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