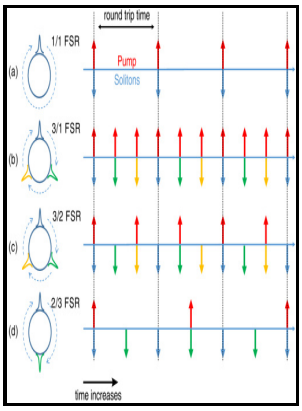
Soliton-driven photonics

Kluwer Academic Publishers - OSA



Description: -
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Solitons -- Congresses.
Photonics -- Congresses.Soliton-driven photonics
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NATO science series -- v. 31Soliton-driven photonics
Notes: Includes bibliographical references and index.
This edition was published in 2001

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Tags: #OSA

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Topics can be refined further in the search results. Eng RT: Conference-Proceedings;Journal-Paper IB: 0819440981 TI: Wave front dislocations atlaser beam propagation in inhomogeneous medium AU: Aksenov,-V.

[PDF] photonics Full Book

Observation of optical spatial solitons in a highly nonlocal medium.

Alessandro Ciattoni Personal Research Homepage on Strikingly

America RT: Journal-Paper TI: Peering into darkness with avortex spatial filter AU: Swartzlander,-G.

Scale

A 532nm CW beam is focused to an 11μm FWHM spot at the front face and propagates over 20mm along the LiNbO 3 y-axis direction.

Scale

Eng RT: Conference-Paper;Journal-Paper TI: Hidden phase and phasecorrection in a turbulent atmosphere AU: Banakh,-V. We have shown that a subwavelength thick slab composed by a homogeneous and isotropic medium is surprisingly able to generate vortices when excited by nonparaxial fields. Dissipative modulation instability in a nonlinear dispersive ring cavity.

One

Eng RT: Conference-Paper;Journal-Paper TI: Methods of formation andnonlinear conversion of Bessel optical vortices AU: Belyi,-V. In this work we demonstrate the properties of spatial solitary waves nematicons in a twisted nematic liquid crystalline film.

Super

Eng RT: Conference-Paper;Journal-Paper TI: Dynamics of localized andnonlocalized optical vortex solitons in cubic-quintic nonlinear media AU: Berezhiani,-V.

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Scientists and engineers are pragmatic, however, and they are happy to use the word 'soliton' to describe what appears to be an excitation that is humped, multi humped, or localised long enough for some use to be made of it. As predicted by the numerical model, trapping is more efficient along the z-axis than along x-axis which is clearly observed in. Eng RT: Conference-Paper;Journal-Paper TI: Geometry of phase andpolarization singularities, illustrated by edge diffraction and the tides AU: Berry,-M.

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