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262 J.C. Sprott, B. Munmuangsaen / Chaos, Solitons And Fractals 113 (2018) 261–262 Fig. 1. Transient Chaos In The Lorenz System For $(a, R, B) = (4, 29, 2)$. Fig. 2. Geometric Mean Duration Of The Chaotic Transient As A Function Of R . Fig. 3. Basins Of Attraction In The $X = Y$ Plane For The Lorenz System With $(a, R, B) = (4, 29, 2)$. Jan 1th, 2024

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Strain Solitons And Topological Defects In Bilayer Graphene Jonathan S. Aldena, Adam W. Tsena, Pinshane Y. Huang, Robert Hovden, Lola Brown, Jiwoong Park, David A. Muller, and Paul L. McEuen, *ACS Applied Materials and Interfaces*, 2014

State ... May 1th, 2024

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Note That The KdV Is A Nonlinear Partial Differential Equation (PDE, For Short) Due To The Presence Of The $u u_x$ Term, Where We Use A Subscript To Denote The Partial Derivative. The u_{xxx} Term Makes It Dispersive, I.e. In General An Initial Wave $U(x;0)$ Will Broaden In Space As Time Progresses. In Addition To Its Solutions Showing Behavior Of ... Mar 2th, 2024

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3Fiber Optics Research Center Of The Russian Academy Of Sciences, Hollow- Core Fiber Department, Moscow, 1 Jun 2th, 2024

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THE NON-LINEAR SCHRODINGER EQUATION AND SOLITONS James P. Gordon. 2 Soliton ... DERIVATION OF THE NLS EQUATION Step II: Shift To Central Frequency And Retarded Time. 9 ... DERIVATION OF THE NLS EQUATION Step III: Rescale The Independent Variables. 11 FOURIER TRAN Feb 1th, 2024

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Algorithms In Double Precision, Liao [23] Suggested A Numerical Strategy In 2009, Namely The "Clean Numerical Simulation" (CNS) [24,25]. By Means Of The CNS, Reliable/convergent Numerical Simulations Of Chaotic Dynamical Systems Can Be Obtained In A Controllable Interval Jan 2th, 2024

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Three-dimensional Topological Solitons In PT -symmetric Optical Lattices YAROSLAV V. K ARTASHOV,1,2,*CHAO HANG,3 GUOXIANG HUANG,3 AND LLUIS TORNER1,4
1ICFO-Institut De Ciencies Fotoniques, The Barcelona Institute Of Science And Technology, 08860 Castelldefels (Barcelona), Spain 2Institute Of Spectroscopy, Russian Academy Of Sciences, Troitsk, Moscow Region 142190, Russia Jan 1th, 2024

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ETA-RICCI SOLITONS ON LP-SASAKIAN MANIFOLDS

394 PRADIP MAJHI AND DEBABRATA KAR For All Vector fields X, Y on M . LP-Sasakian Manifolds Have Been Studied By Several Authors Such As [12, 24, 27] And Many Others. Notice That The Ricci Tensor S And The Scalar Curvature R Are Defined By $S(X, Y) = \sum_{i=1}^n g(R(e_i, X)Y, e_i)$ And $R = \sum_{i=1}^n S(e_i, e_i)$, Where $\{e_i\}$ is An Orthonormal Basis Such That $E_1 \dots$ Mar 2th, 2024

Introduction To Solitons

AAAANNNN ===== Gggg 1111-----ccccooooossss0000 Rrrrssssiiiiinnn0000
^^^eee AAAASSSS ===== - - - - gggg 1111++++ccccooooossss0000
Rrrrssssiiiiinnn0000 ^^^eee Regular Static Configuration Gauge Group SU(2)
Magnetic Charge Is The Topological Number : $Q_g = n/2$ The Monopole Is Very Heavy ,
 $M \sim m_v / e$ BBBB ===== ggggrrr ... May 1th, 2024

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Explicit AC Shrinker With Rate 42 On $2 + S$ And $+CP2$. Possible Models For Formation Of Conical Singularities In Laplacian Ow. Shrinkers Are Rare! AC Steady Solitons A New Feature (compared To Ricci/K Ahler-Ricci Ow). Theorem 1-parameter Family Of Complete Expanders On $2 + S + 4$ And On $+CP$. Models For How Laplacian Jan 1th, 2024

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To The North Pole Orientation) And Separates Two Subspaces: (i)single-loop(0 1)preimagesofpointsat $\theta \in C$ In The Form Of Two Separate Unlinked Loops (02 1). Although There Are Different Geometric Configurations Of Closed Loops,depending On $U \dots$ May 2th, 2024

Solitons In The Korteweg-de Vries Equation (KdV Equation)

Max Sech $2B \times \text{Max } 2 Hx - 2 \times \text{Max } TL F$, So The Deeper The Trough The Faster The Soliton Moves And The Narrower It Is. We Verfiy That This Does Satisfy The KdV Equation: $\ln[7] := \text{Clear}@x_{\text{max}} \ln[8] := U_{\text{exact}}@x, T_D = -x_{\text{max}}$ Sech@Sqrt@x_{\text{max}}^2 D Hx - Jan 2th, 2024

Two-dimensional Discrete Solitons In Rotating Lattices

3D Versions Of The DNLS Equation, See An Earlier Review [21] And The More Recent Works ... Objects Localized Along The Radius But Delocalized In The Azimuthal Direction, Have Been ... While In The Ordinary (nonrotating) DNLS Model, With $\Omega = 0$, All VSs Feb 2th, 2024

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