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Note That The KdV Is A Nonlinear Partial Differential

Equation (PDE, For Short) Due To The Presence Of The U_{xx} 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 ... Feb 1th, 2024

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Introduction To Solitons

AAAANNNN ===== Gggg

1111----ccccooooossssθθθθ Rrrrssssiiiiinnnθθθθ

^^^eeee AAAASSSS =====----gggg

1111+++ccccooooossssθθθθ Rrrrssssiiiiinnnθθθθ

^^^eeee 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

=====gggrrr ... May 1th, 2024

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Explicit AC Shrinker With Rate 42 On $2 + S$ And $+CP^2$.

Possible Models For Formation Of Conical Singularities

In Laplacian Ow. Shrinkers Are Rare! AC Steady

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Ricci Ow). Theorem 1-parameter Family Of Complete

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(see Fig. 1) Is Typically Composed Of Three Jan 1th, 2024

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Max Sech $2B X$ Max $2 Hx - 2 X$ 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: In[7]:= Clear@xmaxD In[8]:= Uexact@x_, T_D = -xmax Sech@Sqrt@xmax $\hat{e}2D Hx -$ Jun 1th, 2024

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