

List of Publications: (2007-2010) of Anjan Kundu

- [1] Anjan Kundu, *Hidden possibilities in controlling optical soliton in fiber guided doped resonant medium* , arXiv:1009.2641 (2010) (sub2 PRL)
- [2] Anjan Kundu, *Quantum integrable 1D anyon models: construction through braided Yang-Baxter equation*, ArXiv/1005.4603 (2 b published in SIGMA (2010))
- [3] Anjan Kundu, J. Math Phys. 51, 022901 (2010) *Two-fold integrable hierarchy of nonholonomic deformation of the DNLS and the Lenells-Fokas equation*
- [4] Anjan Kundu, *Exact N-Skyrmions with noncircular symmetry in helical magnets without inversion symmetry*, (under preperation) arXiv: 09.06.3188
- [5] Anjan Kundu, R. Sahadevan and L. Nalinidevi, J. Phys. A: Math. Theor. 42 (2009) 115213 : *Nonholonomic deformation of KdV and mKdV equations and their symmetries, hierarchies and integrability*
- [6] Anjan Kundu, Phys. Rev E 79, 015601(R) (2009)[Rapid Communications] : *Integrable nonautonomous NLS equations are equivalent to the standard NLS*
- [7] Anjan Kundu, J. Math Phys. 50, 102702 (2009)
Nonlinearizing linear equations to integrable systems including new hierarchies of nonholonomic deformations
- [8] Anjan Kundu, J. Phys. A: Math. Theor. 41 (2008) 495201. : *Exact accelerating soliton in nonholonomic deformation of the KdV equation with two-fold integrable hierarchy.*
- [9] M. T. Batchelor, X.-W. Guan, A. Kundu, J. Phys. (FTC) A 41, 352002 (2008) [Fast Track Communication] : *D-anyons: one-dimensional anyons with competing δ -function and derivative δ -function potentials*

[Selected as : EDITOR'S CHOICE as best papers in FTC:]
- [10] Habibullin, I. and Kundu, A. , Nucl. Phys. B [FS], 795 (3), 549-568 (2008) : *Quantum and classical integrable sine-Gordon model with defect*
- [11] Anjan Kundu, J. Nonlin. Math. Phys. 15 (Suppl 3) (2008) 227-240 : *Changing Solitons in Classical & Quantum Integrable Defect and Variable Mass Sine-Gordon Model*
- [12] Anjan Kundu, Phys. Rev. Lett. 99, 154101-4 (2007) : *Shape changing and accelerating solitons in integrable variable mass sine-Gordon model*
- [13] Anjan Kundu, SIGMA 3 (2007) , 040, 14 pages : *q-boson in quantum integrable systems*
(Invited review for Vadim Kuznetsov memorial volume)
- [14] Anjan Kundu, Theor. Math. Phys. 151 (3), 831-842 (2007) (Springer Science Publ.) : *Yang-Baxter algebra and generation of quantum integrable models*