

Publication list for the past five years

- 1) Bao-Feng Feng, Mark J. Ablowitz, Xu-Dan Luo, Ziad H. Musslimani, General soliton solutions to the nonlocal nonlinear Schrödinger equation, accepted by *Nonlinearity*.
- 2) Mark J. Ablowitz, Bao-Feng Feng, Xu-Dan Luo, Ziad H. Musslimani, Inverse scattering transform for the nonlocal reverse space-time Sine/Sinh-Gordon equation with nonzero boundary conditions, *Studies in Applied Mathematics*, (2018), DOI: 10.1111/sapm.12222 (41pp).
- 3) Junchao Chen, Bao-Feng Feng, Ken-ichi Maruno, and Yasuhiro Ohta, The Derivative Yajima–Oikawa System: Bright, Dark Soliton and Breather Solutions, *Studies in Applied Mathematics*, 141 (2018), 145–185.
- 4) Junchao Chen, Yong Chen, Bao-Feng Feng, Ken-ichi Maruno, Yasuhiro Ohta, General high-order rogue wave of the (1+1)-dimensional Yajima–Oikawa system, *J. Phys. Soc. Jpn*, 87 (2018), 094007.
- 5) Mark J. Ablowitz, Bao-Feng Feng, Xu-Dan Luo, Ziad H. Musslimani, Inverse scattering transform for the nonlocal reverse space-time nonlinear Schrödinger equation with nonzero boundary conditions, *Theoretical and Mathematical Physics* 196 (2018), 1241–1267 (27pp).
- 6) Bao-Feng Feng, Yasuhiro Ohta, N-bright-dark soliton solution to a semi-discrete vector nonlinear Schrödinger equation, *SIGMA* 13 (2017), 071, 16 pages
- 7) Bao-Feng Feng, Ken-ichi Maruno, Yasuhiro Ohta, The Degasperis–Procesi equation, its short wave model and the CKP hierarchy, *Annals of Mathematical Sciences and Applications*, 2 (2017) 285–316.
- 8) Shoufeng Shen, Bao-Feng Feng, Yasuhiro Ohta, A modified complex short pulse equation of defocusing type, *J. Nonlinear Mathematical Physics*, 24 (2017) 195–209.
- 9) Junchao Chen, Yong Chen, Bao-Feng Feng, Bilinear Bäcklund transformation, Lax pair and multi-soliton solution for a vector Ramani equation, *Modern Physics Letters B*, 31(2017) 1750133.
- 10) Liming Ling, Bao-Feng Feng, Zuonong Zhu, General soliton solutions to a coupled Fokas–Lenells equation, *Nonlinear Analysis: Real World Applications*, 33 (2017) 237–252.
- 11) Ching-Hao Yu, Bao-Feng Feng, Tony W. H. Sheu, Numerical solutions to a two-component Camassa–Holm Equation, accepted by *Journal of Computational and Applied Mathematics*
- 12) Bao-Feng Feng, Ken-ichi Maruno, Yasuhiro Ohta, Integrable semi-discrete Degasperis–Procesi equation, *Nonlinearity*, 30 (2017) 2246–2267.
- 13) Junchao Chen, Bao-Feng Feng, Yong Chen, Zhengyi Ma, General bright-dark soliton solution to (2+1)-dimensional multi-component long-wave-short-wave resonance interaction system, *Nonlinear Dyn.*, 88 (2017) 1273–1288.
- 14) Bao-Feng Feng, Ken-ichi Maruno, Yasuhiro Ohta, A two-component generalization of the reduced Ostrovsky equation and its integrable semi-discrete analogue, *J. Phys. A.*, 50 (2017) 055201
- 15) Bao-Feng Feng, Ken-ichi Maruno, Yasuhiro Ohta, Geometric formulation and multi-dark soliton solution to the defocusing complex short pulse equation, *Studies in Applied Mathematics*, 138 (2016) 343–367.

- 16) Bao-Feng Feng, Liming Ling, Zuonong Zhu, Defocusing complex short-pulse equation and its multi-dark-soliton solution, *Phys. Rev. E*, 93 (2016) 052227.
- 17) Liming Ling, Bao-Feng Feng, Zuonong Zhu, Multi-soliton, multi-breather and higher order rogue wave solutions to the complex short pulse equation, *Physica D*, 327 (2016) 13-29.
- 18) Junchao Chen, Yong Chen, Bao-Feng Feng, Ken-ichi Maruno, Yasuhiro Ohta, Integrable discretizations of the coupled Yajima-Oikawa system, *J. Phys. A* 49 (2016) 165201 (19 pp).
- 19) Senyue Lou, Bao-Feng Feng, Ruoxia Yao, Multi-soliton solution to a two-component Hunter-Saxton equation, *Wave Motion* 65(2016) 17-28.
- 20) Shoufeng Shen, Bao-Feng Feng, Yasuhiro Ohta, From the Real and Complex Coupled Dispersionless Equations to the Real and Complex Short Pulse Equations, *Studies in Applied Mathematics*, 136 (2016) 64–88.
- 21) Hengchun Hu, Xiao Hu, Bao-Feng Feng, Nonlocal Symmetry and Consistent Tanh Expansion Method for the Coupled Integrable Dispersionless Equation, *Zeitschrift für Naturforschung A*, 71 (2016).
- 22) Bao-Feng Feng, Junchao Chen, Yong Chen, Ken-ichi Maruno, Yasuhiro Ohta, Integrable discretizations and self-adaptive moving mesh method for a coupled short pulse equation, *J. Phys. A*, 48 (2015) 385202 (21pp).
- 23) Bao-Feng Feng, Ken-ichi Maruno, Yasuhiro Ohta, Integrable semi-discretization of a multi-component short pulse equation, *J. Math. Phys.*, 56 (2015) 043502.
- 24) Bao-Feng Feng, Ken-ichi Maruno, Yasuhiro Ohta, Integrable discretizations of the reduced Ostrovsky equation, *J. Phys. A*, 48 (2015) 135203.
- 25) Junchao Chen, Yong Chen, Bao-Feng Feng, Ken-ichi Maruno, Rational solution to two- and one-dimensional multi-component Yajima-Okawa systems, *Phys. Lett. A*, 379 (2015) 1510-1519.
- 26) Junchao Chen, Yong Chen, Bao-Feng Feng, Ken-ichi Maruno, General Mixed Multi-Soliton Solutions to One-Dimensional Multicomponent Yajima–Oikawa System, *J. Phys. Soc. Jpn.*, 84, (2015) 074001.
- 27) Junchao Chen, Yong Chen, Bao-Feng Feng, Ken-ichi Maruno, Multi-dark soliton solutions of the two-dimensional multi-component Yajima-Okawa systems, *J. Phys. Soc. Jpn.*, 84 (2015) 034002.
- 28) Bao-Feng Feng, Complex short pulse and coupled complex short pulse equations, *Physica D*, 297 (2015) 62-75.
- 29) Junchao Chen, Yong Chen, Bao-Feng Feng, Hanmin Zhu, “Pfaffian-Type Soliton Solution to a Multi-Component Coupled Ito Equation,” *Chin. Phys. Lett.*, 31 (2014) 110502.
- 30) Bao-Feng Feng, General N-soliton solution to a vector nonlinear Schrödinger equation, *J. Phys. A*, 47 (2014) 355203.
- 31) Junchao Chen, Yong Chen, Bao-Feng Feng, Hanmin Zhu, Multi-component generalizations of the Hirota–Satsuma coupled KdV equation, *Appl. Math. Lett.*, 37 (2014) 15-21.
- 32) Bao-Feng Feng, Ken-ichi Maruno, Yasuhiro Ohta, Self-adaptive moving mesh schemes for short pulse type equations and their Lax pairs, *Pacific Journal of Mathematics for Industry*, 6 (2014)