

Publications for Robert Marangell

2018

Chan, M., Kim, P., Marangell, R. (2018). Stability of travelling waves in a Wolbachia invasion. *Discrete and Continuous Dynamical Systems - Series B*, 23(2), 609-628. [More Information]

2017

Davis, P., van Heijster, P., Marangell, R. (2017). Absolute instabilities of travelling wave solutions in a Keller-Segel model. *Nonlinearity*, 30, 4029-4061. [More Information]

Davis, P., van Heijster, P., Marangell, R. (2017). Absolute instabilities of travelling wave solutions in a Keller-Segel model. *Nonlinearity*, 30(11), 4029-4061. [More Information]

2016

Dullin, H., Marangell, R., Worthington, J. (2016). Instability of equilibria for the two-dimensional Euler equations on the torus. *SIAM Journal on Applied Mathematics*, 76(4), 1446-1470. [More Information]

Jones, C., Marangell, R., Miller, P., Plaza, R. (2016). On the Spectral and Modulational Stability of Periodic Wavetrains for Nonlinear Klein-Gordon Equations. *Bulletin of the Brazilian Mathematical Society*, 47(2), 417-429. [More Information]

2015

Marangell, R., Miller, P. (2015). Dynamical Hamiltonian-Hopf instabilities of periodic traveling waves in Klein-Gordon equations. *Physica D: Nonlinear Phenomena*, 308, 87-93. [More Information]

Harley, K., van Heijster, P., Marangell, R., Pettet, G., Wechselberger, M. (2015). Numerical computation of an Evans function for travelling waves. *Mathematical Biosciences*, 266, 36-51. [More Information]

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Jackson, R., Marangell, R., Susanto, H. (2014). An Instability Criterion for Nonlinear Standing Waves on Nonzero Backgrounds. *Journal of Nonlinear Science*, 24(6), 1177-1196. [More Information]

Harley, K., van Heijster, P., Marangell, R., Pettet, G., Wechselberger, M. (2014). Existence of Traveling Wave Solutions for a Model of Tumor Invasion. *SIAM Journal on Applied Dynamical Systems*, 13(1), 366-396. [More Information]

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Jones, C., Marangell, R., Miller, P., Plaza, R. (2013). On the stability analysis of periodic sine-Gordon traveling waves. *Physica D: Nonlinear Phenomena*, 251, 63-74. [More Information]

Jones, C., Latushkin, Y., Marangell, R. (2013). The Morse and Maslov indices for matrix Hill's equations. In Helge Holden, Barry Simon, Gerald Teschl (Eds.), *Spectral Analysis, Differential Equations and Mathematical Physics: A Festschrift in Honor of Fritz Gesztesy's 60th Birthday*, (pp. 205-233). Providence, USA: American Mathematical Society. [More Information]

2012

Jones, C., Marangell, R. (2012). The spectrum of travelling wave solutions to the Sine-Gordon equation. *Discrete and Continuous Dynamical Systems - Series S*, 5(5), 925-937. [More Information]

Marangell, R., Susanto, H., Jones, C. (2012). Unstable gap solitons in inhomogeneous nonlinear Schrödinger equations. *Journal of Differential Equations*, 253(4), 1191-1205. [More Information]

2010

Marangell, R., Jones, C., Susanto, H. (2010). Localized standing waves in inhomogeneous Schrödinger equations. *Nonlinearity*, 23(9), 2059-2080. [More Information]

Marangell, R., Rimanyi, R. (2010). The general quadruple point formula. *American Journal of Mathematics*, 132(4), 867-896. [More Information]