IN PREPARATION

- D. BILMAN and R. JENKINS. Large-time development of initial data with spectral singularities.
- D. BILMAN and T. TROGDON, On numerical inverse scattering for the Korteweg-de Vries equation with discontinuous step-like data: Part II, large-time.
- D. BILMAN, A special solution of nonlinear Schrödinger equation: a rogue wave of infinite order.
- D. BILMAN, L. LING, P. D. MILLER, and A. TOVBIS, High-order fundamental rogue waves in the far-field limit.

SUBMITTED OR ACCEPTED FOR PUBLICATION

  https://arxiv.org/abs/1911.04327, 38 pages
  https://doi.org/10.1007/s00332-019-09542-7, 45 pages
  http://dx.doi.org/10.1002/cpa.21819, 84 pages
  https://doi.org/10.1016/j.apnum.2018.09.020, 21 pages
  https://doi.org/10.1007/978-3-319-56666-5_5, 54 pages
  https://doi.org/10.1007/s00220-016-2819-0, 75 pages
  https://doi.org/10.1016/j.physd.2016.03.017, 16 pages
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