Mathematics, Statistics, and Computer Science   **@ UIC**

Analysis and Applied Mathematics Seminar

Some thoughts on BBM, BBM-KdV-type nonlinear dispersive equations

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Abstract: The BBM equation posed on R, R+ and bounded interval, is revisited. Improving on earlier results, global well-posedness and bounds for the growth in time of relevant norms of solutions corresponding to very general auxiliary data are derived. It is based on some simple variable change. Similarly, one can obtain better results for variety of BBM-KdV-type equations.

Monday, November 22 at 4:00 PM in 636 SEO