

ON A GENERALIZED TRILINEAR ESTIMATE.

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Using the $[k; Z]$ - multiplier norm estimate obtained by Tao, we obtain a generalized trilinear estimate associated to the KdV equation. As particular cases, we find some known trilinear estimates.

References

- [1] T. TAO, Multilinear weighted convolution of L^2 functions, and applications to nonlinear dispersive equations, *Amer. J. of Math.*, **123**, 839-908, 2001.
- [3] X. CARVAJAL, Local well-posedness for a higher order nonlinear Schrödinger equation in Sobolev spaces of negative indices , *Electron. J. Diff. Eqns.*, **10**, 422-444, 2010.

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