$L^2$–CONCENTRATION FOR A COUPLED NONLINEAR SCHRÖDINGER SYSTEM

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Abstract. In this work we adapt Bourgain’s ideas in [2] to a coupled system and we prove the $L^2$ -concentration of blow-up solutions for two-coupled nonlinear Schrödinger equations at critical dimension.


Keywords and phrases: Nonlinear Schrödinger system, well-posedness, blow-up phenomenon, $L^2$ -concentration.

REFERENCES

