

## $L^2$ -CONCENTRATION FOR A COUPLED NONLINEAR SCHRÖDINGER SYSTEM

XAVIER CARVAJAL AND PEDRO GAMBOA

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

*Mathematics subject classification (2010):* 35A01, 35Q55.

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

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