

Infinitely many entire solutions to a mixed dispersion NLS equation with generic nonlinearity: the zero mass case

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I will present a multiplicity result for the *mixed dispersion* nonlinear Schrödinger equation

$$\Delta^2 u - \beta \Delta u = g(u) \quad \text{in } \mathbb{R}^N,$$

where the nonlinearity g satisfies generic assumptions corresponding to the zero mass regime in the spirit of Berestycki and Lions.

This is joint work with Pietro d'Avenia and Alessio Pomponio.