

Thursday, January 9th, 17:00-18:00

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RECENT ADVANCES IN DISCRETE NLS-TYPE EQUATIONS AND THEIR CONTINUUM LIMIT

We will discuss the continuum limit of discrete NLS-type equations and some issues with dispersion and smoothing effect in the discrete setting. We will first study the approach of Kirkpatrick, Lenzmann and Staffilani (2013), as well as some new ideas of Hong and Yang (2019) and explain how to extend these methods to tackle more general dispersive equations.