ID de Contribution: **18** Type: **Non spécifié**

Construction and interaction of solitons for NLS equations (Part 2)

mercredi 23 mai 2018 09:00 (1h 35m)

We will review some results on the construction and interaction of solitary waves for nonlinear Schrödinger equations with power nonlinearity. After discussing briefly the well-known question of stability of single solitary waves, we will present a short proof of existence of multi-solitary waves in the case of weak interactions. Then, in the sub-critical and super-critical cases, we will show the existence of multi-solitary waves with logarithmic distance in time (case of strong interaction).

Orateur: MARTEL, Yvan

Classification de Session: Mini-course by Yvan MARTEL