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## The zero dispersion limit for the Benjamin-Ono equation on the line

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Zero dispersion problems for nonlinear evolution equations are known to create very strong oscillations so that there are very few examples for which it is possible to describe the limit. In this talk I will discuss the case of the Benjamin-Ono equation on the line, for which the Lax pair structure provides valuable tools leading to a complete answer to this problem.

Orateur: GÉRARD, Patrick (Université Paris-Saclay)