

## COLLOQUIUM

Jeudi 26 janvier 2012, 17h  
Salle des séminaires

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*"How integrable is KdV ?"*

It is well known since the pioneer work of Novikov (1974), Lax (1975) and McKean-Trubowitz (1976) that the KdV equation under periodic boundary conditions is an integrable infinite-dimensional Hamiltonian system.

In my talk I will discuss recent results about a transformation which put this equation to the integrable normal form and the normal form itself.

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*Un café-thé sera servi à 16<sup>h</sup>30 dans la salle du courrier du bâtiment de mathématiques*