

Friday, January 30th (at 4.00pm, UK time)

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Title: Lagrangian multiforms and bi-Hamiltonian systems.

ABSTRACT

We present a method to turn a pair of compatible Hamiltonian operators into a pair of symplectic operators. This can then be used to write two different Lagrangians for the equation of interest, which in turn leads to two different Lagrangian multiforms. This indicates that the analogue in multiform theory of a bi-Hamiltonian system is a system with two distinct Lagrangian multiforms.

The talk is based on a joint work with Pierandrea Vergallo.
