Conférence
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Discretizing the Liouville equation

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The Liouville equation is well known to be linearizable by a point transformation. It has many algebraic structures: due to its linearizability it possess Bäcklund transformations and an infinite dimensional Lie point symmetry algebra isomorphic to a direct sum of two Virasoro algebras. We discuss the structure--preserving discretization of the Liouville equation.

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