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Semiclassical asymptotic for integrable systems and the Poisson sigma model

Semiclassical eigenfunctions of an integrable system can be regarded as a path integral for the topological quantum mechanics or as a path integral for the Poisson sigma model. This allows to compute semiclassical asymptotic of eigenfunctions in all orders of the semiclassical expansion in terms of Feynman diagrams of the Poisson sigma model with appropriate boundary conditions. This is a joint work with A. Cattaneo and P. Mnev.