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The geometry of Calogero Moser systems

The Calogero Moser Integrable system is easy to define, though in full generality its complete set of Hamiltonians and a suitable Lax formulation took a very long time to formulate, only appearing in the work of Bordner, Corrigan and Sasaki about twenty years ago. The geometry of the system was elucidated a few years later, relating the systems to Hitchin type systems, not on a curve, but on an Abelian variety. Revisiting it recently, it turned out that the description could be simplified a great deal through a Fourier-Mukai transform. Joint work with Indranil Biswas.