

The Calogero-Ruijsenaars family of classical integrable systems

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There is a plethora of classical integrable systems that are named after Toda, Calogero, Moser, Sutherland, Ruijsenaars, and many other researchers. These are toy models of interacting particles which have appeared since the late 1960s, and which have been related to many areas in mathematics and theoretical physics. My aim is to provide a historical account of these systems (biased towards my personal point of view), and explain some challenging questions regarding these systems.

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