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Title: *"A dissipative Kepler problem"*

Abstract. We consider the Kepler problem with a linear dissipative force. This system has a vector valued first integral that can be interpreted as an asymptotic Runge-Lenz vector. From this fact it is possible to describe the geometry and dynamics of the orbits. In contrast to other dissipative forces there is no circularization in the linear case.

Joint work with A. Margheri and C. Rebelo