

Bolotin, S. V.

Nonintegrability of the n-center problem for $n > 2$. (Russian) Zbl 0551.70008
Vestn. Mosk. Univ., Ser. I 1984, No. 3, 65-68 (1984).

Using topologic considerations the author proves theorems and lemmas (Maupertuis' principle is a consequence of a lemma) demonstrating that the problem of n centers may be integrated, on the level of nonnegative energy, only in cases of Kepler and Euler.

Reviewer: [B.D.Jovanovic](#)

MSC:

[70F99](#) Dynamics of a system of particles, including celestial mechanics
[37-XX](#) Dynamical systems and ergodic theory

Cited in **1** Review
Cited in **17** Documents

Keywords:

topologic considerations; Maupertuis' principle; nonnegative energy; cases of Kepler and Euler