

Polyachenko, V. L.; Shukhman, I. G.

Investigation of the general models of stability of collisionless spherically symmetric systems.

(Russian) [Zbl 0514.76047](#)

Astron. Zh. 58, 933-948 (1981).

For a scan of this review see the [web version](#).

MSC:

76E20 Stability and instability of geophysical and astrophysical flows

85A05 Galactic and stellar dynamics

85A30 Hydrodynamic and hydromagnetic problems in astronomy and astrophysics

70K20 Stability for nonlinear problems in mechanics

15A24 Matrix equations and identities

Cited in **1** Review

Keywords:

proper oscillations; large-scale stability; general collisionless spherically symmetric systems; matrix equation; stability of Idlis'; maximal degree of anisotropy; stellar velocity distribution