The abstracts of the articles you selected appear below.

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Section 1. Classical Gravity and GR Extensions

Accretion disks around a mass with quadrupole

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We consider the stability properties of circular orbits of test particles moving around a mass with quadrupole. We show that the quadrupole modifies drastically the properties of an accretion disk made of such test particles.

Keywords: Quadrupole; compact objects; geodesics