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Gary B. Povenmire H.
(12753) Povenmire — Standard Comparison Small Main Belt Asteroid? [#1066]
Standard comparison object for small main belt asteroid.

Grubert J. P.
Gravitational Frequencies of Extra-Solar Planets [#1031]
Analysis of data from eleven extra-solar planetary systems proves that all planets are upheld in stable quantum orbits by both their star and at least one Jupiter sized planet. This data also enables Hubble’s constant to be computed.

Marzari F. Weidenschilling S. J. Granata V. Barbieri M.
‘Jumping Jupiters’ in Binary Star Systems [#1115]
We study the outcome of a gravitational scattering phase in a system of three giant planets in binary star systems where the companion star is within 50 AU from the primary star and can significantly perturb the orbits of the planets.

Povenmire H.
Hermes, Asteroid 2002 SY50 and the Northern Cetids — No Link Found! [#1069]
Comparison of the Cetid meteor shower orbital elements and asteroidal parent bodies.

Ustinova G. K.
What Kind of Accretion Model is Required for the Solar System [#1195]
The importance of the earliest fractionation of the primordial matter during its reprocessing by strong shock waves in the early solar system is pointed out.

Vid’machenko A. P. Krushevskaya V. N.
Use of an Orbital Phase Curve of Extrasolar Planet for Specification of its Mass [#1039]
We show that for some star systems there is an opportunity to make reconstruction of orbital phase curve. The features of its inclination can allow to estimate an inclination angle of extrasolar planet orbit. And it will specify real exoplanet mass.