

PRINT ONLY: OUTER PLANETS: ENCELADUS AND RINGS

Annex A. M. Verbiscer A. J. Helfenstein P.

[*Photometric Properties of Enceladus' South Polar Terrain*](#) [#2698]

Differences in the photometric properties of terrains near the south pole of Enceladus can be correlated with proximity to source locations of plume activity and anomalously high thermal emission.

Perov N. I.

[*On a Model of Spokes Origin in the Celestial Mechanical Systems*](#) [#1002]

It is shown in the celestial mechanical system of nine major massive bodies, which form central configuration, for mass ratio $m_i/m_1 > 0.1$, the bodies of mass m_i , m_5 , and m_6 and six points of libration form a spoke's structure.

Taubner R.-S. Leitner J. J. Firneis M. G.

[*The Contribution of Radiogens to the Thermal Budget of Enceladus*](#) [#1206]

We estimated the radiogenic heat release in Enceladus, which is mainly driven by ^{232}Th , ^{235}U , ^{238}U , and ^{40}K , and concluded that even with more detailed values for those radiogens the amount of radiogenic heat release is just about 0.3 GW.

Yasui Y. Ohtsuki K. Daisaka H.

[*Influence of Formation of Temporary Gravitational Aggregates on Ring Viscosity*](#) [#1698]

Using local N-body simulation, we examine viscosity of planetary rings consisting of spinning, self-gravitating particles for a wide range of parameters, including the cases of dense rings with temporary aggregate formation.