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## Apophis shape model

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 2 attachments (213 KB)

apophis\_v233s7\_vert2\_new.mod.wf; apophis.cmod;

Iosto,

Here are two versions of the shape model from our 2018 publication:

ascii obj file (extension .wf) and the same model converted to binary cmod format.

This model goes with the following spin state (\*\*it needs to be updated with 2021 radar and optical data - TBD\*\*)

In Pravec et al. (2014) convention for the Euler angles, the spin state published in Brozovic et al 2018 is:

2012 12 23 04:14:00 UTC

phi=133.8484 deg,

theta=17.8508 deg,

psi=55.5472 deg

omega\_l= 96.5055 (deg/day)

omega\_i= 50.7986 (deg/day)

omega\_s= 264.9525 (deg/day)

$I_l/I_s = 0.7290700000$

$I_i/I_s = 0.9471598301$

angular momentum vector in the ecliptic coordinates:

lambda=246.813342 deg

beta=-59.308779 deg

Marina