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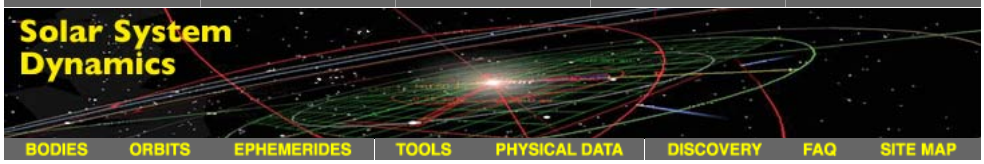

JPL Small-Body Database Search Engine

Use this search engine to generate custom tables of orbital and/or physical parameters for all asteroids and comets (or a specified sub-set) in our small-body database. If this is your first time here, you may find it helpful to read our tutorial. Otherwise, simply follow the steps in each section: "Search Constraints", "Output Fields", and finally "Format Options". If you want details for a single object, use the Small Body Browser instead.

Search Constraints: help

Step 1: optionally limit your results by selecting one or more constraint below

Limit by object type/group:

object group:	(•) All objects	( ) NEOs	( ) PHAs
object kind:	(•) All objects	( ) Asteroids	( ) Comets
numbered state:	(•) All objects	( ) Numbered	( ) Unnumbered

Limit to selected orbit class(es): clear selection(s)

---------- Asteroid Orbit Classes ----------

- [ ] Atira
- [ ] Aten
- [ ] Apollo
- [ ] Amor
- [ ] Mars-crossing Asteroid
- [ ] Inner Main-belt Asteroid
- [ ] Main-belt Asteroid
- [ ] Outer Main-belt Asteroid
- [ ] Jupiter Trojan
- [ ] Centaur
- [ ] TransNeptunian Object
- [ ] Parabolic Asteroid
- [ ] Hyperbolic Asteroid
- [ ] Asteroid (other)

---------- Comet Orbit Classes ----------

- [ ] Hyperbolic Comet
- [ ] Parabolic Comet
- [ ] Jupiter-family Comet*
- [ ] Halley-type Comet*
- [ ] Encke-type Comet
- [ ] Chiron-type Comet
- [ ] Jupiter-family Comet
- [ ] Comet (other)

Limit by object characteristics:

(select physical parameter) ▾ (operator) ▾ Add =>

(select orbital parameter) ▾ (operator) ▾ Add =>

characteristics constrained as follows... remove all

(combine using logical: ( ) AND (•) OR)

- prim. desig. = 1977 remove
- prim. desig. = 2294 remove
- prim. desig. = 2407 remove
- prim. desig. = 2573 remove
- prim. desig. = 2904 remove
- prim. desig. = 4813 remove

Output Fields: help

Step 2: select desired output fields from the lists below or pick from defined sets
(you can add fields one at a time or in groups)

Object Fields:

- object internal database ID
- object primary SPK-ID
- object full name/designation
- object primary designation
- object IAU name
- comet designation prefix
- Near-Earth Object (NEO) flag (Y/N)
- Potentially Hazardous Asteroid (PHA) flag (Y/N)
- [H] absolute magnitude parameter
- [G] magnitude slope parameter (default is 0.15)

Orbital and Model Parameter Fields:

- orbit solution ID
- epoch of osculation in Julian day form (TDB)
- epoch of osculation in modified Julian day form (TDB)
- epoch of osculation in calendar date/time form (TDB)
- equinox of reference frame
- [e] eccentricity
- [a] semi-major axis (au)
- [q] perihelion distance (au)
- [i] inclination; angle with respect to x-y ecliptic plane (deg)
- longitude of the ascending node (deg)

Pre-defined field sets:

- asteroid - basic
- asteroid - physical
- comet - basic
- comet - physical

Step 3: add selected output fields (above) to your table (repeat steps 2 and 3 as needed)

Append Selected | Prepend Selected

Step 4: arrange the field output order and/or remove selected fields

Step 5: optionally select sort fields and sort order

Selected Fields (in output order):

Move Up | Sort=> *default sort* (object ID)

Move Down
Remove

object fullname
a (au)
e
i (deg)
node (deg)
peri (deg)

add selected field(s)

Format Options: help

Step 6: select desired output format (for HTML: optionally limit rows-per-page and output precision) then press the button below to display your results

Table Format: [help?]
- HTML (default)
- CSV (download)

10 rows per page max.

- reduced-precision (compact)
- full-precision (default) [HTML only]

Generate Table

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2019-Jul-10 20:27 UT (server date/time)

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