Resource: `density`

Compilation of estimates of the density of asteroids.

For each measurement (`density` ± (`err_up`, `err_low`)), the SSO identification and method are listed.

Description of columns

Column	Type	Description
number	int	Asteroid IAU Number if available
name	str	Asteroid name or designation
density	float	Density estimate (kg.m-3)
err_up	float	Upper uncertainty on the density (kg.m-3)
err_low	float	Lower uncertainty on the density (kg.m-3)
method	str	Method used to determine the density
selection	int	Flag for selection (black list, neutral, forced: -1/0/1)
bibref	str	Bibcode to identify the dataset in `source.ods`

Methods

The column `method` only accept a limited number of valid entries, indicating how the density was determined:

- `Bin-PheMu` : from observations of the mutual events in a binary system
- `Bin-Radar` : from radar observations of a binary system
- `Yarkovsky` : from the measured Yarkovsky acceleration
- `Comet-Break` : from the break-up of the nucleus