

silicates such as olivine and pyroxene. stony meteorite composed of iron-bearing progenitor of chondrites, a common type of permit the conclusion that Juno could be the Spectroscopic studies of the Junonian surface discovered. asteroids as additional asteroids were and 4 Vesta. All four were reclassified as considered a planet, along with 1 Ceres, 2 Pallas, surface properties. Juno was originally reflective, which may be indicative of distinct Amongst S-type asteroids, Juno is unusually Even so, Juno has only 3% the mass of Ceres. most-massive S-type asteroid after 15 Eunomia. mass of the entire asteroid belt. It is the secondby size and containing approximately 1% the Juno is one of the larger asteroids, perhaps tenth of the total mass of the asteroid belt. with 15 Eunomia. It is estimated to contain 1% the two largest stony (S-type) asteroids, along larger asteroids in the asteroid belt, being one of third asteroid to be discovered and is one of the Minor Planet Center catalogue system, was the Juno, minor-planet designation 3 Juno in the

45e5f96da463 https://gist.dishub.com/Anna.derber/e5f897b7 code samples:

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Rover Build instructions:

to avoid obstacles

autonomously, using the ultrasonic sensor

- Program your bot to drive around an area ultrasonic sensor
- Beep when an obstacle is detected using the
- Use buttons to toggle what is displayed
- · Display the light reading on the digit display
- Display the temperature on the digit display

Here are some ideas for programming your bot:

explore the asteroid Juno 3.

Your challenge is to build a ModeRover to

Welcome to International ModeBots day 2015!

Physical characteristics (320×267×200)±6 km<sup>[4]</sup> (233 km)<sup>[2]</sup> 216 000 km<sup>2|5</sup> Surface area 8 950 000 km<sup>3[5]</sup> Volume  $2.67 \times 10^{19} \text{ kg}^{41}$  $3.20 \pm 0.56 \text{ g/cm}^{3/4}$ Mean density Surface gravity 0.12 m/s<sup>2</sup> 0.18 km/s Rotation period 7.21 hr<sup>[2]</sup> (0.3004 d)<sup>[6]</sup> 31.75 m/s<sup>[5]</sup> Equatorial rotation velocity 0.238 (geometric)[2][7] ~163 <u>K</u> Temperature max: 301 K (+28°C)[8] Spectral type S-type asteroid[2][9] Apparent magnitude 7.4 to 11.55 5.33[2][7] Absolute magnitude (H) 0.30" to 0.07" Angular diameter

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