

£845696da463 Ad798129/19dra-Jennal.com/Anna-Jennal.erber/e5f897b7 code samples:

> https://t.co/x3J8mI0ddU Rover Build instructions:

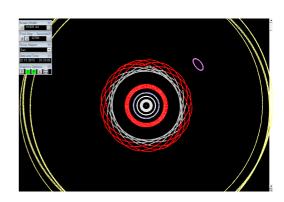
to avoid obstacles autonomously, using the ultrasonic sensor Program your bot to drive around an area

- 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 Hygiea 10. Your challenge is to build a ModeRover to

Welcome to International NodeBots day 2015!

Hygiea (10)



large planetesimals like 4 Vesta. Solar System formation, in contrast to other had not been melted during the early period of surface composition would indicate that Hygiea sufficiently to melt. The primitive present water ice in the past which was heated surface, which could indicate the presence of alteration products have been detected on its carbonaceous chondrite meteorites. Aqueous materials similar to those found in thought to consist of primitive carbonaceous Based on spectral evidence, Hygiea's surface is

surface and larger-than-average distance from observed from Earth. This is due to its dark Despite its size, it appears very dim when asteroids with a carbonaceous surface. belt, it is the largest of the class of dark C-type estimated to be 2.9% of the total mass of the oblong diameters of 350-500 km and a mass located in the asteroid belt. With somewhat Solar System by volume and mass, and it is 10 Hygiea is the fourth largest asteroid in the

Physical characteristics 530×407×370 ±7 km^[3] 431 km (<u>mean</u>) 837,080.744 km2(323,198.682 sq mi) Surface area (8.67 ±0.15)×10¹⁹kg^[3] $2.08 \pm 0.10 \text{ g/cm}^{33}$ Mean density Surface gravity 0.21 km/s velocity Rotation 27.623 h (1.15 d)[1] period Albedo 0.0717 (geometric)[1] ≈164 <u>K</u> max: 247 K (–26°C) ^[4] Spectral type C-type asteroid[1] Apparent 9.0^[5] to 11.97 magnitude Absolute magnitude (H) Angular 0.321" to 0.133"

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