Code samples: https://gist.github.com/AnnaGerber/e5f897b7 45e5f96da463

Rover Build instructions: https://t.co/x3J8ml0ddU

autonomously, using the ultrasonic sensor to avoid obstacles

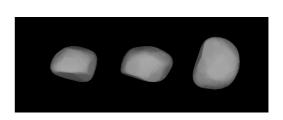
- ultrasonic sensor Program your bot to drive around an area
- Beep when an obstacle is detected using the
- Use buttons to toggle what is displayed
- Display the light reading on the digit display
- Display the temperature on the digit display

Here are some ideas for programming your bot:

Your challenge is to build a NodeRover to explore the asteroid Herculina 532.

Welcome to International NodeBots day 2015!

Herculina (532)



It has often been noted for its complex lightcurves, which made determination of its shape and rotation somewhat difficult. Recent (2002) modelling of photometric data indicates that Herculina is not spherical, but a blocky shape not unlike a battered cuboid - or, as the analysis described it, it "resembles a toaster".

many large asteroids are still uncertain. The current estimate for its mass would rank it close to the top 10.

Herculina is one of the larger members of the main asteroid belt. It is believed to rank among the top 20 in size, but the exact dimensions of many large asteroids are still uncertain. The

532 Herculina (/harkjʊˈlamə/ hur-kew-ly-nə) is a large asteroid, with a diameter of around 225 km

Physical characteristics 222.4 ± 4.2 km (IRAS)^[1] ~2.29×10¹⁹kg [2] ~4 g/cm^{3[2]} unknown Surface gravity Escape velocity 9.404951 h^[1] Rotation period 0.16[1] unknown Spectral type Apparent magnitude 8.82^[3] to 11.99 5.81[1] magnitude (H) Angular diameter 0.228" to 0.073"

From Wikipedia https://en.wikipedia.org/wiki/532 Herculina Creative Commons Attribution-ShareAlike License