



powered Careeron

What will make the spacecraft or space robot intelligent is its ability to recognize something of interest - say, a crater on a planet or an asteroid - and then decide to go investigate. And giving a machine that complex ability will be no easy task, but CalTech scientists already have begun working on it.

According to Fink, CalTech is working with scientists at the University of Arizona to develop software packages that use camera images to enable machines to distinguish colors, shapes, textures and obstacles. With the ability to pick out these features, the software can begin to calculate what is anomalous - much like the children's game of 'which one of these things does not belong?'

Researchers have hooked the software up to a rover and soon will be linking it to the rover's navigation functions.

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