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In robotic mapping and navigation, simultaneous localization and mapping (SLAM) is the computational problem of constructing or updating a map of an unknown environment while simultaneously keeping track of an agent's location within it. While this initially appears to be a chicken-and-egg problem there are several algorithms known for solving it, at least approximately, in tractable time for ...

Simultaneous localization and mapping - Wikipedia

The Cassini–Huygens mission (/ k ɛˈsɪni h ɛˈɛɪ ɛˈn z / k ɛˈ-SEE-nee HOY-g ɛˈnz), commonly called Cassini, was a collaboration between NASA, the European Space Agency (ESA), and the Italian Space Agency (ASI) to send a probe to study the planet Saturn and its system, including its rings and natural satellites. The Flagship-class robotic spacecraft comprised both NASA's Cassini ...

Cassini–Huygens - Wikipedia

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Planning Algorithms / Motion Planning

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Edward S. Boyden, Ph. D. December 31, 2018 4 2018, Optogenetics and Optical Manipulation, SPIE Photonics West, San Francisco, CA,

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