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A LOW-COST EXPLORE MISSION FOR NEAR-EARTH ASTEROID

Abstract

In recent years, asteroid exploration has brought a upsurge in the global, aerospace organizations are competing to launch asteroid probe, and have made remarkable achievements. In this article, combined with the development of asteroid exploration status and innovation development ideas, the future development direction of asteroid exploration is analyzed, a low-cost near-Earth asteroid mission is proposed, and then, the scientific and engineering significance of near-Earth asteroid exploration is expounded. The overall program of the asteroid probe is demonstrated, and the feasibility and the expected results are analyzed, hoping to provide a reference for the asteroid exploration.