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SMALL CELESTIAL BODY IMPACT TECHNOLOGY INTRODUCTION

Abstract

In the beginning of 2013, an unexpected heavy meteorite rain hit Russia, brought people countless damages and pain. Same day, when most people haven't been relieved from the astonishment, asteroid 2012DA14 passed by the earth under LEO, which is threatening and closed to dangerous enough. In this paper, we analyze the significance of developing applied small celestial body impact technology. First of all, small celestial body including comets and other mini-planets are the remains after solar's formation, most of the original information about the early solar has contained in those small bodies, which is valuable and meaningful to scientific researches. From another even more important aspect, developing small celestial body impact technology is our technical base and effective key to prevent our earth from being stroked and crashed. Based on the theories above, we bring up the concept of small celestial body impact, analyzing the flying process of the impactor and providing initial features, composition and function. We have also evaluated these important technical parameters, and discussed a concrete implementation solution of the small celestial body impactor.