

Analysis of the volume of Martian craters in the equatorial region

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There are many peculiar craters on Mars, such as the rampart crater. In this study, we chose 'fresh' craters in the equatorial region and estimated the volume of their cavity and ejecta from the topography data by Mars Orbiter Laser Altimeter on Mars Global Surveyor. As a result, some of Martian craters indicate that the volume of ejecta significantly exceeds that of cavity.