

Accepted Manuscript

Impact cratering on slopes

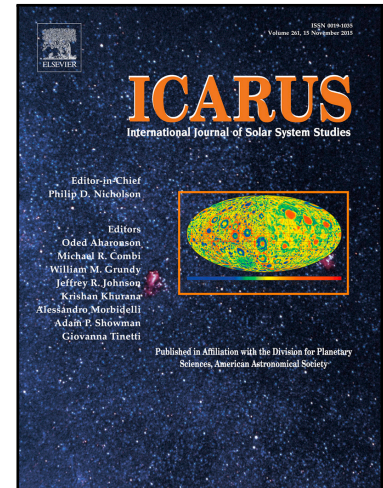
Johannes Aschauer , Thomas Kenkmann

PII: S0019-1035(16)30532-2
DOI: [10.1016/j.icarus.2017.02.021](https://doi.org/10.1016/j.icarus.2017.02.021)
Reference: YICAR 12382

To appear in: *Icarus*

Received date: 28 August 2016
Revised date: 15 December 2016
Accepted date: 23 February 2017

Please cite this article as: Johannes Aschauer , Thomas Kenkmann , Impact cratering on slopes, *Icarus* (2017), doi: [10.1016/j.icarus.2017.02.021](https://doi.org/10.1016/j.icarus.2017.02.021)



This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- This is the first systematic experimental study that investigates the effect of variously inclined slopes on impact crater formation.
- The comprehensive remote sensing data of the recent Dawn mission to the dwarf planets Ceres and Vesta revealed numerous impact craters that were formed in rough terrain at inclined slopes. With high-resolution data available the significance of topography on crater formation becomes more and more apparent, in particular for relatively small craters formed on low gravity bodies.
- The paper links impact cratering and landslide formation with each other

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/5487036>

Download Persian Version:

<https://daneshyari.com/article/5487036>

[Daneshyari.com](https://daneshyari.com)