

Accepted Manuscript

Increase in cratering efficiency with target curvature in strength-controlled craters

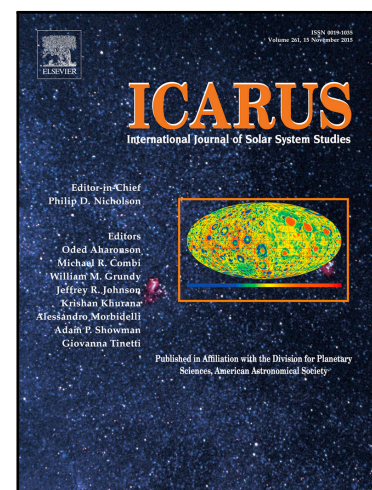
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PII: S0019-1035(17)30196-3
DOI: [10.1016/j.icarus.2017.10.019](https://doi.org/10.1016/j.icarus.2017.10.019)
Reference: YICAR 12654

To appear in: *Icarus*

Received date: 3 March 2017
Revised date: 11 October 2017
Accepted date: 12 October 2017

Please cite this article as: A.I. Suzuki , C. Okamoto , K. Kurosawa , T. Kadono , S. Hasegawa , T. Hirai , Increase in cratering efficiency with target curvature in strength-controlled craters, *Icarus* (2017), doi: [10.1016/j.icarus.2017.10.019](https://doi.org/10.1016/j.icarus.2017.10.019)



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Highlights

- A series of impact experiments that used spherical targets were performed.
- The cratering efficiencies in volume and radius increased with the normalized curvature.
- The extent of spall region contributed to the extent of the crater on curved targets.
- A simple semi-analytical model suggests the target geometry controls the cratering efficiency for spall craters.
- This process may be important if some large craters on asteroids are spall craters.

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