

Tuesday, March 14, 2006
POSTER SESSION I: LUNAR IMPACT STUDIES
7:00 p.m. Fitness Center

Gallant J. Gladman B.

Lunar Cratering Asymmetries [#2336]

We seek to numerically determine the magnitude of cratering asymmetries on the lunar surface (nearside/farside and leading/trailing). We find no nearside to farside asymmetry, and a small (12%) enhancement on the leading hemisphere.

Morota T. Haruyama J. Furumoto M.

Lunar Apex-Antapex Cratering Asymmetry and Origin of Impactors in the Earth-Moon System [#1554]

In this paper, we purpose to derive the lunar apex-antapex cratering asymmetry as functions of the mean encounter velocity of impactors and time, considering the temporal variation in the lunar orbital velocity last 4.0 Gyr.

Ivanov B. A.

Earth/Moon Impact Rate Comparison: Possible Constraints for Lunar Secondary/Primary Cratering Proportion [#1262]

Impact rate of bolides are compared with the cratering rate on the moon in the past 100 Ma. The current meteoroid flux fits observed cratering rate, provided most of the small craters on the young lunar surface are primary, not secondary craters.