

The reflectance dependency of the lunar phase functions

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From the analysis of the Clementine UV-VIS lunar images, it was appeared that the reflected light intensity at a given phase angle (within 0-16 deg.) is approximately described as a linear function of the reflectance at phase angle 30 degrees. Using this relationship, a new phase angle calibration method for the Clementine images were developed. The result from the additional image analysis at the extensive regions on the moon will be also reported.