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Subject: IDL for planetary photometry

Posted by [spacermase](#) on Wed, 02 Jun 2010 15:01:45 GMT

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Hello all,

I am part of a project trying to generate solar phase curves of some of the smaller moons of Saturn based on images from the Cassini probe. To do this, we need to be able to get the photometric magnitude of the moons in question; however, most IDL routines (such as those found at the Astronomy User's Library) (and most astronomy software, for that matter) are geared towards point-source (stellar) photometry, not non-point-source (planetary) photometry.

So, I was wondering if there are any IDL routines out there specifically for planetary photometry? Or alternatively, run-of-the-mill photometry routines that could easily be modified for planetary photometry? I know the Buie library is supposed to have some, but I had trouble figuring out which of his routines would actually be appropriate for my situation.

Thanks!

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