Navigation and Ancillary Information Facility

# Remote Sensing Programming Lesson (Cassini) 

## October 2017

## Diagram for "getsta" Exercise

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## Diagram for "xform" Exercise

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## Phoebe Shape

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The next two tasks ask for computing observation geometry parameters for Phoebe modeled as a triaxial ellipsoid and as a triangular plate model provided in a DSK, resulting in significantly different values for these two cases. This should not be surprising given how different Phoebe's shape is from an ellipsoid, as illustrated by the animation/view below.


## Diagram for "subpts" Exercise

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## Diagram for "fovint" Exercise

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## "fovint" Cosmographia Views

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The "big" picture


Ellipsoid (red) and DSK (white) intercept points


Principal directions at the boresight DSK intercept point (top view)


Principal directions at the boresight DSK intercept point (side view)


