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Subject: overlap of two polygons

Posted by [suruchi](#) on Sat, 18 May 2013 07:57:20 GMT

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Hello

What i have is set of rois defined over 1024x 1024 image. So for finding whether two different rois (ROI1 & ROI2) from two different image cover same region of CCD image plane I can use :

ROI1 -> GetProperty, data=a

result(k)=ROI2 -> ContainsPoints(a[0,k],a[1,k])

This way i can figure out whether two rois have overlapping region or not.

But, what if I wish to do the same exercise using latitude -longitude information of each image.

A pixel say (500,500) will have different lat-long values in different images.

Now if I convert the roi vertices x & y to lat-long can I create a Polygon?

And using this lat-lon vertices information of each roi can I find whether two set of rois overlap (so now testing overlap not in image plane but region covered by lat-lon range of the planetary object)?

So essential query is how to find the overlap of two regions defined by only vertices and second what if these vertices are in terms of lat-long?

Any suggestion will be appreciated.

Thanks

Suruchi

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