Subject: Re: Area of interest [AOI or ROI] routine
Posted by davidf on Thu, 27 Apr 2000 07:00:00 GMT
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Joe Means (means@fsl.orst.edu) writes:

> I would like to find a routine for determining if a point is in a region
> of interest. I realize this functionality exists in the IDL object
> graphic routines. I'll take the time to learn how to use these if I
> have to, but would prefer not to :), if someone knows of a routine I
> can use.

Gosh, Joe, I have the flu today, but even in my condition I can
figure this one out. :-)

  (1) Get your ROI points in direct graphics. You could
      use something as simple as my rubberband box in
      ZIMAGE. You probably have several programs laying
      around there now.

  (2) Create an IDLanROI object and load the points.

      roi = Obj_New('IDLanROI', x, y, z)

      IF you don't have a z point, don't worry about it,
      just use the x and y points.

  (3) Find out if the point you are interested is inside
      the ROI:

      isIn = roi->ContainsPoints(x1, y1, z1)

  (4) Destroy the object.

      Obj_Destroy, roi

That's it. I'm going back to bed. :-(

Cheers,

David
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