
Subject: match_2d

Posted by [d.poreh](#) on Thu, 06 May 2010 08:29:33 GMT

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Hello everyone,

I have a problem that I can't fix.

I am using match_2d from J.D.Smith's library to match between two catalogues. Below is what i am doing:

IDL> print, laser

13.51132 78.08015 2.244529

13.5041 78.07921 2.416421

13.49686 78.07828 2.420123

13.48957 78.07736 2.668057

13.48225 78.07644 2.652986

13.4749 78.07554 2.604654

13.46749 78.07465 2.373039

13.46009 78.07375 2.699916

.....

IDL> print, sat

13.50834 78.08333 5.965842

13.50001 78.08333 3.459386

13.50001 78.075 3.092191

13.49168 78.075 3.444704

13.48334 78.075 3.364458

13.47501 78.075 3.108061

13.46668 78.075 3.121016

13.45834 78.075 3.017546

13.45001 78.075 3.15583

.....

What I want to do is find the closest data from array laser to each of array sat and then average them (of course for some points of sat I do not have close laser data). At the end I want to plot sat data and averaged laser to comparison.

x1=laser[0,*]

y1=laser[1,*]

x2=sat[0,*]

y2=sat[1,*]

match=match_2d(x1,y1,x2,y2,0.008,MATCH_DISTANCE=md)

Any help highly appreciated

Cheers

Dave
