Subject: Re: match_2d
Posted by d.poreh on Thu, 06 May 2010 12:25:43 GMT
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On May 6, 4:27 am, vino <astrocr...@gmail.com> wrote:
> Can you tell us what your error/problem when using this??
> One thing i do is to use reform to make sure x1,y1,x2 and y2 is a 1D
> array.
>
> Regards,
> Vino
>
> On May 6, 9:29 am, Dave Poreh <d.po...@gmail.com> wrote:
>
>
>
>> 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

Actually there is no error, but I can't understand the procedure. At the end output is a 1D array (match). What I want is for each pixel of SAT array find the closest data from laser array (but I don't know how to do that).
Cheers
Dave
