Subject: Re: match\_2d

Posted by vino on Tue, 21 Apr 2009 16:23:11 GMT

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Hi Jerely Ballin,

I even tried reforming them before input like this:

```
DL> match=match_2d(reform(star_radec1(0,*)),reform(star_radec1(1,*)),reform(star_radec2(0,*)),reform(star_radec2(1,*)),.02,MATCH_DISTANCE=md)
```

Even this doesnt seem to work....:(

Eventhough in this eg, we need to do a one-to-one match, in my original data, it has to be one-to-many as well...Will the routine work for that as well??

Thanks and regards,

Vino

```
On Apr 21, 4:47 pm, Jeremy Bailin <astroco...@gmail.com> wrote:
 On Apr 20, 9:40 am, vino <astrocr...@gmail.com> wrote:
>
>
>> Hello everyone,
>> I am using match_2d from J.D.Smith's library (http://
>> tir.astro.utoledo.edu/idl/match_2d.pro) to match between two
>> catalogues. Below is what i am doing :
>> IDL> print,star radec1
       242.759
                 -29.4162
       252.666
                 -31.6364
>>
       250.523
                 -30.5292
>>
       244.782
                 -20.2181
>> IDL> print,star_radec2
       252.666
                 -31.6364
>>
       250.523
                 -30.5292
>>
       267.782
                 -22.9120
>>
>> IDL> match=match_2d(star_radec1(0,*),star_radec1(1,*),star_radec2
>> (0,*),star radec2(1,*),.02,MATCH DISTANCE=md)
```

```
>> IDL> print,match
         -1
                          -1
                                  -1
>>
>> IDL> print,md
    5.98943e-22
                     3.62562 2.23579e-17 2.62037e-22
>> Eventhough there are 3 objects matching, why is it that match_2d is
>> not finding them?? I shall be very grateful for any pointers...
>> Thanks and regards,
>
>> Vino
> It looks like MATCH_2D requires that its inputs be flat vectors, but
  instead you're feeding it [1,N] arrays.
> -Jeremy.
```