
Subject: Re: Find shift between 2 star lists

Posted by [David Fanning](#) on Mon, 06 Dec 2010 22:32:53 GMT

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Noah Johnson writes:

> I am new to IDL and I have the following task to complete and I cannot
> find an acceptable way to do it.
>
> I have 2 star lists of approximately the same field of stars. One list
> has about 100 stars and their locations (RA and DECLINATION) and the
> other list has about 10,000 stars and their location. The difference
> is that the second list is from observations that are much deeper than
> the first list. Both lists have different kind of information and the
> only common is the RA and DEC. I am trying to match the stars of the
> first list to the stars of the second list. I used match_2d but the
> problem is that some of the matches might not be correct. The reason
> is that the closest star might not be the same star because the second
> list is a much deeper observation so many stars are very close to each
> other. I was thinking that I should first find the shift between the 2
> lists and but I do not know if there is a way to do that or a program
> that can find the shift between 2 star lists of the same region.
>
> I would appreciate any help on this matter.

Have you read this article:

http://www.dfanning.com/code_tips/matchlists.html

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
