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.")