Subject: WHERE - problem

Posted by Thomas Jordi on Tue, 28 Jan 2003 10:22:04 GMT

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hi there

i'm not an IDL-guru, but i'm using it for some time. the WHERE function is extremely handy and often of great use for me. however, one problem i failed to solve. lets state an array(500,500,10) array=INDGEN(500,500,10)

so then, the find=WHERE(array[\*,\*,1] GT 252000) returns me all the needed values.

but HOW do interact with these.

a=mean(array[find]) doesnt do it right

So I helped myself with idiotway=array[\*,\*,1] find=where(idiotway gt 252000) so then the example a=mean(idiotway(find)) does it right.

However, somehow there must be a better way...

some help would be appreciated

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Subject: Re: WHERE - problem

Posted by Chad Bender on Thu, 30 Jan 2003 14:42:39 GMT

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- > thanks, it worked. however am I right, that the WHERE procedure is not
- > able to handle the case, wehre you search values in a 3d array in one

> plane, and then want to acces with array[where]?

David Fanning has a program (wheretomulti) on his website that will convert WHERE output to 2 or 3d subscripts.

http://www.dfanning.com/tip\_examples/wheretomulti.pro

If you need more than 3 dimensions, I have a similar routine that will work on arbitrary dimensions. Let me know if you want it, and I'll put it somewhere accessible.

Chad

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