
Subject: 2D analogue of the WHERE function?

Posted by [stefan5465](#) on Wed, 29 Apr 2009 17:52:27 GMT

[View Forum Message](#) <> [Reply to Message](#)

Dear all,

Haven't found a thread mentioning this problem, which I can't understand as it seems like something someone would have mentioned before.

Anyway, to get to the point: Is there an equivalent of the WHERE function that will scan a multidimensional array, and return a set of indices for the elements that match the criteria?

I'm trying to pick out certain pixels of a FITS image, and the only way round the problem I can think of is to loop the WHERE function over one of the dimensions. Does a more elegant solution exist?

Many thanks,

Stefan

Subject: Re: 2D analogue of the WHERE function?

Posted by [Jeremy Bailin](#) on Wed, 29 Apr 2009 23:03:27 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Apr 29, 2:17 pm, stefan5...@hotmail.com wrote:

> Dear all,
>
> Haven't found a thread mentioning this problem, which I can't
> understand as it seems like something someone would have mentioned
> before.
>
> Anyway, to get to the point: Is there an equivalent of the WHERE
> function that will scan a multidimensional array, and return a set of
> indices for the elements that match the criteria?
>
> I'm trying to pick out certain pixels of a FITS image, and the only
> way round the problem I can think of is to loop the WHERE function
> over one of the dimensions. Does a more elegant solution exist?
>
> Many thanks,
>
> Stefan

WHERE works perfectly well on multidimensional arrays.

-Jeremy.
