Subject: Re: Sort and Where - SOLVED!
Posted by Martin Schultz on Fri, 30 Jun 2000 07:00:00 GMT
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Simon de Vet wrote:
>
> I've managed to solve my problem.
>
> First I defined the array to remove all the negative values:
>
> nozero = where(pem1(flight, *, 6) gt 0.0 and pem1(flight, *, 9) gt 0.0)
>
> Then I sorted the filter array by the size of the y-coordinates, and
> applied it to the arrays:
>
> x-coordinates:
> pem1(flight, nozero(sort(pem1(flight, nozero, 6))), 9)
>
> y-coordinates:
> pem1(flight, nozero(sort(pem1(flight, nozero, 6))), 6)
>
> The problem lay in where I was sorting. I was originally trying to sort the
> array data itself, instead of trying to sort the index I had already
> created.
>
> Yay!
>
> Simon

Simon,

sounds like you may wish to try my ind_comb routine from my library at
http://www.mpimet.mpg.de/~schultz.martin/idl/ . This allows you to combine the results of sequential WHERE operations. In your example:

```
ok1 = where( pem1(flight, *, 6) gt 0.0)
ok2 = where( pem1(flight, *, 9) gt 0.0)
nozero = ind_comb(ok1, ok2, "AND")
```

I wrote this when I had to deal with data similar to yours and ran into this kind of situation over and over again.

Regards,
Martin

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