
Subject: Re: Top 10 IDL Requests

Posted by [Michael Plonski](#) on Wed, 02 Aug 2000 07:00:00 GMT

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I sent a where-not request to rsinc a few years back and nothing happened. I put together a system that processes Gigabytes of satellite data every day. It has to take several extra passes through the data because there is no way to do efficient nested wheres. Basically, I want to run a new where on the result of the where-not in order to do further segmentation on the items not segmented out by the first where command. I also first asked for user defined map projections probably 6 or 7 years ago. That never happened either, even when I said, well PV-Wave has it (or at least claims to).

If fact the only time I ever got RSI to make a change was when I showed that something in version 5 didn't work the same as version 4 (how the sign bit is promoted in byte to short to long conversions when they introduced the concept of unsigned). It might have been 5.2 .vs. 5.1 instead of 5 .v.s. 4. This seemed to be a high priority for them since it meant Version 5 wouldn't give the same numerical answer as version 4 in some really limited cases. It did break some code I was using and took a while to track down.

Mike Plonski

"Liam E. Gumley" wrote:

>

> Craig Markwardt wrote:

>>

>> "Liam E. Gumley" <Liam.Gumley@ssec.wisc.edu> writes:

>>> Michael Plonski wrote:

>>>> 1) Complement of Where - so the same call returns where, and a named

>>>> variable returns where-not

>>>

>>> FUNCTION WHERENOT, TEST, COUNT

>>> return, where(test eq 0, count)

>>> END

>> ...

>>> It requires another 'where' call if you want the where and where-not,

>>> but I'm guessing this functionality isn't needed that often.

>>>

>> No, Mr. Plonski, myself, and several others on this news group were
>> asking for the WHERE and its complement in the same function call. It
>> does come up a fair amount for me, and it can be a big computation
>> expense to do WHERE twice if the arrays are large.

>

> Well now is the time to ask for this feature in WHERE (while IDL 5.4 is

> still in Beta). Perhaps a COMPLEMENT keyword could be added: I'm not
> that fond of optional arguments.
>
> I suggest that anybody who wants this feature send email to RSI
> (mailto:support@rsinc.com) with the subject 'Feature Request' asking for
> this functionality to be added to WHERE.
>
> Cheers,
> Liam.
> <http://cimss.ssec.wisc.edu/~gumley>
