Subject: Re: array handling
Posted by Michael Galloy on Sat, 06 Jan 2007 16:39:13 GMT
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Brian Larsen wrote:
> Something I have always wondered is the difference between using
> finite() and just using ne?
>
> As an example:
> IDL>   array = [1.0, 2.0, !Values.F_NAN, 4.0, !Values.F_NAN]
> IDL>   Print, Where(NOT Float(Finite(array)))
>   2   4
> IDL> print, where(array ne array)
>   2   4
>
> What is the fundamental difference here? Speed? Style? or something
> else entirely?

One thing is that FINITE can handle NaN's and infinity all in one step.

By the way, it took me a second to figure out why you were converting to
float in the FINITE example. Maybe

IDL> print, where(~finite(array))

would be better since FINITE returns only 0's and 1's (as long as you
have IDL 6.0+)?

Mike
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