Subject: Re: behavior of arrays Posted by David Kastrup on Thu, 20 May 1999 07:00:00 GMT

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Jack Saba <jack@icesat1.gsfc.nasa.gov> writes:

- > But more often than not, I WANT the extra dimension to be lost,
- > or at least I want IDL to be willing to ignore it where appropriate.
- > Consider this unrealistic example that nevertheless illustrates a
- > problem that occurs all too often in IDL:

>

- > IDL> x=findgen(100)
- > IDL> ijk=where(x eq 10)
- > IDL> for i=ijk,99 do print, i
- > % Expression must be a scalar in this context: I.
- > % Execution halted at: \$MAIN\$

>

- > I could have written i=ijk[0],99, or i=REFORM(ijk),99 to avoid the
- > error. But it shouldn't be necessary -- this should be handled
- > transparently.

It is handled transparently. If you want a scalar, write ijk[0]. This works even where ijk is *indeed* a scalar.

This is, BTW, about the only way to check for the result of "where" in a useful way:
w = where(x)

W = Where(X)

if (w[0] It 0)

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