
Subject: Re: subscripting array problem

Posted by [davidf](#) on Mon, 26 Jul 1999 07:00:00 GMT

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Med Bennett (mbennett@indra.com) writes:

> I am just wondering why the following does not work correctly:

>

> timeidx = round(traveltime/100.)-1 ;get index of array

> timeidx = timeidx[0]

> if timeidx ge 0 and timeidx le 199 then \$

> gwfluxpa[timeidx:*] = gwfluxpa[timeidx:*] + ic*2500.

>

> If I rewrite this code to the following, it works OK:

>

> timeidx = round(traveltime/100.)-1 ;get index of array

> timeidx = timeidx[0]

> if timeidx ge 0 and timeidx le 199 then begin

> junk = fltarr(200)

> junk[timeidx:*] = ic*2500.

> gwfluxpa = gwfluxpa + junk

> endif

>

> In the first version, the contents of my gwfluxpa array get reset

> to zero every so often as the procedure executes this section.

!?

> Any ideas?

Something weird, here. Just more evidence that the world is a mysterious place. :-)

Cheers,

David

P.S. I'm not sure you have shown us the relevant code to solve this problem. :-(

--

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

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Subject: Re: subscripting array problem

Posted by [Liam Gumley](#) on Tue, 27 Jul 1999 07:00:00 GMT

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Med Bennett wrote:

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> junk = fltarr(200)

> junk[timeidx:*] = ic*2500.

> gwfluxpa = gwfluxpa + junk

> endif

I'm guessing the type and/or value of one of your variables is not what you expect. The HELP procedure can be useful in solving this type of problem. For example:

```
help, traveltime & print, traveltime
```

```
timeidx = round(traveltime/100.)-1
```

```
help, timeidx & print, timeidx
```

```
timeidx = timeidx[0]
```

```
help, gwfluxpa & print, gwfluxpa
```

```
help, ic & print, ic
```

```
if timeidx ge 0 and timeidx le 199 then $
```

```
gwfluxpa[timeidx:*] = gwfluxpa[timeidx:*] + ic*2500.
```

Careful examination of the HELP and PRINT output should identify the problem. I don't recommend coding workarounds **unless** you understand the problem first.

Cheers,
Liam.

--

Liam E. Gumley

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