
Subject: Re: How to make IDL faster

Posted by [mchinand](#) on Wed, 29 Oct 2003 19:42:23 GMT

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In article <4a097d6a.0310291118.2ceed6d5@posting.google.com>, M. Katz <MKatz843@onebox.com> wrote:

```
>
> if geo(0,i,j) gt lat(k)-0.04 and geo(0,i,j) lt lat(k)+0.04 and $
>   geo(1,i,j) gt lon(k)-0.04 and geo(1,i,j) lt lon(k)+0.04
>
> to this
>
> if (abs(geo(0,i,j) - lat(k)) LT 0.04) and $
>   (abs(geo(1,i,j) - lon(k)) LT 0.04) then . . .
>
> Here I am thinking that you minimize the number of times you have to
> go to the geo() array and get the (0,i,j) element.
>
> M. Katz
```

Do both conditional clauses always get evaluated, even if the first one is false? If so, it might be faster to add a second if statement:

```
if (abs(geo(0,i,j) - lat(k)) LT 0.04) then $
  if (abs(geo(1,i,j) - lon(k)) LT 0.04) then print, loc(k), etc...
```

I haven't tried this on a large dataset, but it might be worth investigating.

--Mike

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