
Subject: Re: Yet again, The Sky is Falling!
Posted by [Michael Galloy](#) on Fri, 09 Mar 2007 17:18:00 GMT
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On Mar 9, 9:38 am, "yp" <Yaswant.Prad...@gmail.com> wrote:
> Your guess is right. I caught the culprit - I had presumed the first
> value of thetaV to be zero (which is not) and when I pass the
> parameter by reference it picks the nearest value of the thetaV tab
> (1.078) and it does exactly what you suspected .

Ah, so the real problem was not passing by reference, but passing the same variable by reference to the routine multiple times and changing one of them (causing the others to also change).

I guess it makes sense, but somehow this was suprising to me. When I examined phi before and after the offending line:

```
print, phi
if (senzp LT senztab[0]) then senzp = senztab[0]
print, phi
```

the value of phi had changed.

Moral of the story: don't change the value of input parameters.

Mike

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