
Subject: Re: Yet again, The Sky is Falling!
Posted by [David Fanning](#) on Fri, 09 Mar 2007 04:52:57 GMT
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yp writes:

> You can download the code from
www.research.plymouth.ac.uk/casix/temp/test_morel_LUT.pro
>
> You will also need the LUT (morel_fq.dat) to run the code.
> www.research.plymouth.ac.uk/casix/temp/MOREL_FQ.DAT

Well, I haven't tracked the actual culprit down yet, but the calculations in INT_LUT are doing *something* to the variables that are being passed in by reference. If I pass everything in by value, then there is no difference:

```
IDL> int_LUT,412.5D, 1D, 0.0D, 0.0D, 0.0D, 0.03D, result3
IDL> int_LUT,412.5D+0, 1D+0, nul+0, nul+0, nul+0, 0.03D+0, result4
IDL> print,'RESULT 3: ', result3[*]
IDL> print,'RESULT 4: ', result4[*]
```

```
RESULT 3:  0.090100000  0.00000000  0.00000000
0.00000000  0.00000000  0.00000000  0.00000000
```

```
RESULT 4:  0.090100000  0.00000000  0.00000000
0.00000000  0.00000000  0.00000000  0.00000000
```

I suspect there is a calculation in there that sets one of the values very nearly to what you expect it to be, but not quite.

Still weird, but more believable. :-)

Cheers,

David

--

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")
