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[\*]

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.")