Subject: Re: Check numerical derivatives
Posted by wlandsman on Wed, 28 Jun 2017 14:46:50 GMT
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On Wednesday, June 28, 2017 at 4:23:45 AM UTC-4, geo...@gmail.com wrote:

> Your comment 2 was interesting. Is any other way to make it calculate the derivatives of all columns tho?

Well, you can't take the left-sided derivative of the first column because there is no column to the left. But it might be useful to keep the derivative array the same size as the original array. One could use the right-sided derivative for the first column, which would be the same as the left-sided derivative of the second column. --Wayne

```
F_x = F[1:nx-1,*]-F[0:nx-2,*]
F_x = [F_x[0,*],F_x]
```

(Of course the three point Lagrangian interpolation of the DERIV() function would be preferable.)