Subject: Re: Ternary Operator for Arrays
Posted by JD Smith on Tue, 25 May 2004 21:00:07 GMT
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On Tue, 25 May 2004 12:07:18 -0700, Jack Yin wrote:

> Does anyone know of a good clean way of doing ternary operation on
> arrays without using FOR loops and nested IF statements?
>
> For example, I have three arrays A, B and C and I want to do A = B /
> C, but there are elements in C that are zeros and I want to set the
> corresponding elements in A to zeros without actually doing the
> division to avoid divide by zero error. The ternary operator (?:)
> only works on scalers. Is there something comparable for arrays?
>
> Any help would be greatly appreciated!

A couple of ways, not necessarily clean:

For integers or floats:

a=b/(c eq 0 + c*(d=c ne 0))*d

For positive floats:

a=b/(c>(machar()).xmin)*c ne 0.0

JD