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

Subject: Re: Ternary Operator for Arrays Posted by jack.c.yin on Wed, 26 May 2004 15:32:13 GMT

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JD Smith <jdsmith@as.arizona.edu> wrote in message news:<pan.2004.05.25.21.00.07.321890@as.arizona.edu>...

- > On Tue, 25 May 2004 12:07:18 -0700, Jack Yin wrote:
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- >> arrays without using FOR loops and nested IF statements?
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>>

>

>>

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> 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
JD,
Thanks for the tips. They will work for me. Really appreciate the help!
Jack
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