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Subject: Re: replace array's elemets

Posted by Liam E. Gumley on Fri, 16 May 2003 19:04:17 GMT

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"Roberto" <graftons@tiscalinet.it> wrote in message  
news:4ac6b3e5.0305160733.50173373@posting.google.com...

> I have a 100x100 array.  
> How can I replace an element if is different from 0?  
> I would replace all elements different from 0 with 1.  
> thank and sorry for the trouble.

IDL> a = [0, 1, 2, 3, 0, 5, 6, 7, 0, 9]

IDL> a[\*] = a ne 0

IDL> print, a, format='(10i4)'

0 1 1 1 0 1 1 1 0 1

If your array contains floating point values, you should use something like

IDL> a = [0.0, 1, 2, 3, 0, 5, 6, 7, 0, 9]

IDL> info = machar()

IDL> value = 0.0

IDL> a[\*] = abs(a - value) gt info.eps

IDL> print, a, format='(10f4.1)'

0.0 1.0 1.0 1.0 0.0 1.0 1.0 1.0 0.0 1.0

Cheers,

Liam.

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