
Subject: Re: replace array's elemets

Posted by [James Kuyper](#) on Fri, 16 May 2003 22:19:32 GMT

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Reimar Bauer wrote:

>
> Roberto wrote:
>
>> Hi
>> 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.
>> Roberto
>
> Dear Roberto
>
> I suggest something like this
>
> example data:
> x=indgen(100,100)
>
> result:
> result=x<1

That doesn't do the right thing with negative numbers. "result=x ne 0"
is the right choice. More generally,

$x[\text{where}(x \neq 0)] = 1$

has the advantage of being more easily generalized to the case of more
complicated search conditions, and different replacement values.
However, it will produce an error message if no replacements are needed.
