## Subject: Re: question about array interpolation Posted by Michael Galloy on Wed, 14 Jan 2009 21:52:01 GMT View Forum Message <> Reply to Message

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On Jan 14, 1:54 pm, Hu < jha...@gmail.com> wrote:
> On Jan 14, 3:44 pm, "mgal...@gmail.com" <mgal...@gmail.com> wrote:
>
>
>> On Jan 14, 1:40 pm, David Fanning <n...@dfanning.com> wrote:
>>> Hu writes:
>>> Oh, that's depressing.
>>>> I mean, it looks like a simple question, but really not.
>>> anyway, thanks you, David.
>
>>> I'm clearly missing something. What looks simple to you?
>>> How would you describe what you want to do in words?
>>> x = [1,2,0,0,5,6,0,8,9,0,9,8,0,0,0,0,3,2,0]
>>> y = [1,2,3,4,5,6,7,8,9,10,9,8,7,6,5,4,3,2,1]
>>> I just don't see any relationship between those
>>> two arrays at all. I've got to start eating more
>>> of the fish oil tablets or something.
>
>> I think the zeros are meant to be undefined values that should be
>> replaced by an interpolated value.
>
>> Mike
>> --www.michaelgalloy.com
>> Tech-X Corporation
>> Associate Research Scientist
> Yes, mike got it, we can replace 'zero's as other unmeaningful symbols,
> I just want to replace these unmeaningful symbols with interpolated
values from the known values.
> sorry for any misunderstanding in my questions.
OK, how about:
ind = where(x ne 0, count, complement=c)
result = interpol(x[ind], ind, c)
y = x
y[c] = result
print, y
```

Mike

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