
Subject: Re: question about array interpolation

Posted by [Michael Galloy](#) on Wed, 14 Jan 2009 21:52:01 GMT

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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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