Subject: Re: elegant array index expansion using INTERPOLATE
Posted by Bob[3] on Fri, 11 Jan 2008 21:56:14 GMT
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On Jan 11, 3:33 pm, "Ryan." <rchug...@brutus.uwaterloo.ca> wrote:
> Hi All,
>
> If I have a range of array indices I want to be able to interpolate
> between this to get all indices in between. What is an elegant way of
> doing this?
>
> Here is an example of what I want:
>
> array = [0,2,4,6,8,10,12,14,16,18]
> idxrange = [3, 6]
>
> expidxrange = Interpolate('idxrange') to get [3,4,5,6]
>
> so that I can get
> array[expidxrange] OR [6,8,10,12]
>
> I would like it to be as general as possible. This is what I have, but
> it doesn't work for a range of 1:
>
> expidxrange = INTERPOLATE(idx, $
> (1./(idxrange[1]-idxrange[0])*FINDGEN(idxrange[1]-idxrange[0 ]) ) )
>
> Any thoughts?
>
> Ryan.

Isn't array[expidxrange] just array[3:6] or
array[idxrange[0]:idxrange[1]] ?
...or are you after the explicit list of expidxrange?

Bob.