Subject: Re: connect the dots . . . A question
Posted by Sean Raffuse on Tue, 04 Feb 2003 15:42:59 GMT
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"Thomas Gutzler" <tgutzler@ee.uwa.edu.au> wrote in message
news:3E3F25C5.4040206@ee.uwa.edu.au...
> Sean Raffuse wrote:
>> Hello venerable newsgroup.
>
>
> You might need.
> newindexes = indgen(12)
> myFullArray = INTERPOL(values,indexes,newindexes)
>
> which gives you an interpolated result:
> [0, 5, 10, 15, 20, 25, 30, 28, 25, 23, 20, 18]
>
> If you really want to get rid of the interpolated values at the indexes
> 0, 1 and 11 ... well
>
> changeme = VALUE_LOCATE(indexes,newindexes)
> myFullArray[WHERE(changeme LT 0)] = values[0]
> myFullArray[WHERE(changeme GT N_ELEMENTS(values)-2)] =
> values[N_ELEMENTS(values)-1]
> or, as I've learned :)
> myFullArray[WHERE(changeme GT N_ELEMENTS(values)-2)] =
> (values[[2147483647L]])[0]
>
> Result:
> [10, 10, 10, 15, 20, 25, 30, 28, 25, 23, 20, 20]
>
> Maybe this can be done better :)
>
> Tom

Thanks! That may be what I'm looking for. It is important for the values
outside the first and last known values not be interpolated.

>