Subject: Re: Completely omit NaNs from line plot
Posted by Markus Schmassmann on Thu, 26 May 2016 08:39:06 GMT
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On 05/25/2016 08:48 PM, David Grier wrote:
> On Wednesday, May 25, 2016 at 4:05:33 AM UTC-4, Mats Löfdahl wrote:
>> Den onsdag 25 maj 2016 kl. 02:19:40 UTC+2 skrev
>> laura...@gmail.com:
>>> I have some solar irradiance data. All the nighttime values are
>>> set to NaN so that they won't be used in any calculations. I
>>> would like to plot a section of the time series but not include
>>> any of the points that are NaNs. That is, normally plot won't
>>> make any mark for the time when there is a NaN, but I want to
>>> completely skip these points because they just make the plot
>>> twice as long as necessary. Is there any way to do this other
>>> than creating a new array without those points?
>> If you plot with time on the horizontal axis, the plot will be the
>> same length whether you remove the NaNs or not, right? If you don't
>> care about the time axis, you could always do something like
> plot, data[where(finite(data))]
Mats' solution with David's better notation probably does what you want,
although it does create an array without those points.

Id you really want to avoid that, try this:

```
time=make_array(n_elements(data),/ulong)
wf=where(finite(data),cnt)
time[wf]=ulindgen(cnt)
p=plot(time, data)
```

This also uses the plot function instead of plot procedure, the latter i
would no longer use.