
Subject: Re: Plotting time

Posted by [Mark Hadfield](#) on Wed, 30 Nov 2005 00:57:24 GMT

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David Fanning wrote:

> Hang on a minute and I'll make it easy for you. :-)

David sent me some code in which a date axis as described by the OP was grafted into his XPLOT plotting window application thingy. The axis appeared in the wrong place, off the left-hand edge of the plot window, as reported. I traced the problem. XPLOT gets the axes in the right place by adjusting the scaling, something like this

```
xAxis->GetProperty, CRange=xrange  
xs = Normalize(xrange, Position=[xn0,xn1])  
xAxis->SetProperty, XCoord_Conv=xs
```

where xn0 & xn1 are the desired end points of the axis in normalised coordinates.

NORMALIZE was doing its calculations in single-precision floating point and returning a single-precision result. Once I changed everything to double-precision, the axis appears in the right place.

>> Incidentally, LABEL_DATE is evil; the C() formats are much better, and

>> not *that* hard to construct.

>

> It is screwy with or without LABEL_DATE.

Sure. That was just me riding one of my hobby horses.

--

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