
Subject: Re: Julian Day Question

Posted by news.qwest.net on Fri, 26 May 2006 17:05:30 GMT

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"Paul Van Delst" <Paul.vanDelst@noaa.gov> wrote in message

news:e57e90\$6ri\$1@news.nems.noaa.gov...

> Why does providing the ",0,0,0" hh,mm,ss data cause the start reference to

> suddenly shift by 12 hours?

Yes, that is exactly the problem. The function breaks one of the fundamental tenets of software programming. It does 2 different things (depending on the input).

1) convert to julian day (noon based)

2) (a) convert to julian day and (b) convert to midnight based

Hence my suggestion to hardwire the function to always perform one function.

I propose that always inputting the h:m:s and forcing the result to return the midnight

based julian day, which is what i do in my little library of time functions.

Cheers,

bob

PS I should admit that I almost always break this tenet of programming.

I write routines that are overloaded to "do what you want it to" :O

But then again, I am a hack :)
