
Subject: Re: sky is falling, again ?

Posted by [Kenneth P. Bowman](#) on Wed, 16 Mar 2011 17:06:55 GMT

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In article <8uc870F5jqU1@mid.dfncis.de>,
Fabzou <fabien.maussion@tu-berlin.de> wrote:

> On 03/16/2011 03:54 PM, Norbert Hahn wrote:
>> nata<bernat.puigdomenech@gmail.com> wrote:
>>
>> with the number of milliseconds missing. But you are close to
>> the next minute.
>> As usual with quantized values, the last digit may be wrong.
>>
>> Norbert
>
> Because of this problem, we now defined our own time system based on
> "milliseconds since ..." (working with LONG64 formats to be sure). It
> works nice, but it was a long (and a bit boring) work to make it
> flexible and stable.
>
> I was wondering what are you people doing?
>
> Fab

I have a small library to do date and time calculations that are
exact to the second using structures and integer arithmetic. It
could be modified to add a millisecond or microsecond field.

You can download it here

<http://idl.tamu.edu/idl/Downloads.html>

(see bowman_lib.zip)

Ken Bowman

```
IDL> date1 = MAKE_DATE(2011, 3, 16, 12, 4, 0)
IDL> date2 = MAKE_DATE(2011, 3, 17, 12, 4, 0)
IDL> print, TIME_DIFF(date2, date1)
      86400
IDL> print, MAKE_ISO_DATE_STRING(date1)
2011-03-16 12:04:00
IDL>
```
