Subject: Re: JULDAY-CALDAT problem
Posted by James Kuyper on Fri, 27 Feb 2004 16:17:39 GMT
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Luciano wrote:
>
> Thanks David and Ben for your help. I've solved the problem by not
> using Julday and Caldat...
> David, if for the computer 0=10^-5 then is not me who has to start
> counting like a computer, it should be the other way around :)
>
> This is simply wrong and should be fixed at some level! I understand
> all the hardware, 0s and 1s, significant figures and related problems
> described in your "Help! The Sky is Falling!" section. But... don't
> you think this should be fixed somehow?
>
> If you ask me, 0 should be 0, and the computer should be able to know
> it...

There are ways to achieve that - they basically involve storing and manipulation all the components of dates as integers, rather than floating point. As long as floating point numbers are used, inaccuracy is unavoidable, since you can't represent all the real numbers in a finite non-zero range, using a representation that takes up a fixed maximum about of memory.