Subject: Re: Local solar time
Posted by Haje Korth on Tue, 29 Jun 2004 12:12:02 GMT
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Craig,
never mind my other message, you gave a definition. But does "RA" in "RA of sun" stand for?

Haje

"Craig Markwardt" <craigmnet@REMOVEcow.physics.wisc.edu> wrote in message news:onk6xq1yqz.fsf@cow.physics.wisc.edu...
>
> David Oesch <oesch@giub.nospam.unibe.ch> writes:
>
>> Craig Markwardt wrote:
>>
>>> "Haje Korth" <haje.korth@jhuapl.edu> writes:
>>>
>>>
>>>> Check the ESRG IDL library. Maybe zensun.pro does what you want.
>>>>
>>>>
>>>
>>> I don't think this is the right thing, but it's close. Local solar
>>> time would be the hour angle (=longitude) of the sun, not the zenith
>>> angle.
>>>
>>>
>> Yes.. I stummbled over zensun in ESRG already..it ain't that what I'm
>> looking for...
>
> With some massaging, I think you can get what you want by using the
> IDL Astronomy Library routines SUNPOS to compute the (RA, DEC)
> position of the sun, and CT2LST, to compute the local mean sidereal
> time, and then use the definition,
>
> local hour angle of the sun = local sidereal time - RA of sun
>
> [in the proper units of course]
>
> Craig
>
> --
> ----------
> Craig B. Markwardt, Ph.D. EMAIL: craigmnet@REMOVEcow.physics.wisc.edu

> Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
> ---------- ----------