
Subject: Re: Local solar time

Posted by [Craig Markwardt](#) on Tue, 29 Jun 2004 09:48:04 GMT

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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 stumbled 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

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