

Re: astronomical calculations

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- *From:* "Ron Gibbs" <ron.gibbs@xxxxxxxxxxx>
 - *Date:* Fri, 29 Feb 2008 13:47:31 -0000
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"Ron Gibbs" <ron.gibbs@xxxxxxxxxxx> wrote in message
[news:47c7f237\\$0\\$521\\$c5fe31e7@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](news:47c7f237$0$521$c5fe31e7@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

I'm working on the design of solar collection optics, and trying to calculate the meridional and sagittal angles of the sun (for a given altitude & elevation) relative to a tilted plane. My brain hurts!

Has anyone out there (maybe working with imaging astronomical objects with a stationary optical system) done this and/or can point me towards useful texts/online resources to help with the trigonometry?

TIA
Ron

I now think I can do this, using 3D rotation matrices, and transforms between spherical polar and cartesian coordinates.
Ron