Subject: Re: Azimuth and Offset XYZ position correction
Posted by James Kuyper on Fri, 24 Mar 2006 23:08:48 GMT
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Dave wrote:
> Plenty fast enough....next step is to try and get the elevation angle
> incorporated.

That's no big deal, if the distances you're measuring are small
compared to the radius of the earth (which seems pretty likely for
line-of-sight laser ranging to positions on the surface of the earth).
Just multiply the dx and dy formulas I gave you by
cos(elevation*!DTOR). Of course, you have to add
distance*sin(elevation*!DTOR) to the altitude of your known site to get
the altitude of the other site.