

What coordinate system should I use?

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What coordinate system should I use?

I want to create some software to augment the mapping process that I now use, with a few functions that I am not happy with as they stand.

I need to decide upon a method of calculation for the coordinates I will use in this software.

I note that GpsMapEdit uses Lat & Lon in its coordinates as displayed or otherwise shown to the user. I am wondering if anyone here knows if it also uses Lat & Lon in its internal calculations, or if it performs any projection to some cartesian system to ensure correct geometry, or if it uses spherical trig for calculations.

The reason I am quoting GpsMapEdit here is that it will probably be the standard against which anything I do will be measured, or into which any data my software produces will be integrated.

Needless to say I'd like things to match.

Any comments or suggestions as to what to use for an internal coordinate system in my stuff? It's obvious that I will use WGS84 as my geoid model.

Best regards

– Tom

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