

Mixed Coordinate conversion – ra from long and dec

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Can any one help me with a bit of math.

I would like to get right ascension given the celestial longitude and declination of an object. Yes, that's right I do mean mixed co-ordinate systems. I know the equations that convert ecliptical to equatorial co-ordinates e.g. celestial long and lat to ra and dec (and vica versa) but I'm darned if I can get the trig re-arranged to give ra as a function of celestial longitude and declination. Not so worried about celestial lat, but it could be part of it.

It might sound odd, but I really do need to solve this. Hope this is right place to try.

Dave