
Subject: Re: If the earth stopped spinning suddenly...
Posted by [MexPirate](#) on Sat, 17 Feb 2007 16:41:53 GMT
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Merovingian wrote on Sat, 17 February 2007 10:10 You'd fly off into space, there's no doubt about it.

I think you're all missing the fact that spinning objects create their own gravitational pull depending on how fast they're spinning. If the world stoped spinning everything would be in the air since there'd be no more gravity holding them down. You wouldn't come back to earth since there's nothing pulling you back (unless you tie yourself into an anchor in the ground which then the other planets gravitational pull would still keep you airborne).

If you need reasurance on this theory think about the National Space Station. To keep its gravity it needs to be spinning, when it stops you just float around. The reason you float around is because the earth is still spinning and retaining its gravitatial pull (which the distance between the NSS and Earth is greater than any other planet) and the Space Station is revolving around it.

This is what i think would happen anyway. Seems logical too.

This is nonsense, show me one single link saying the earth's gravitational pull is because of its rotation - gravity is caused by the mass of any object, something as large as the earth creates a lot of gravity but huge war ships moored close to each other will actually pull towards each other (helped of course by the reduced friction caused by the water)

<http://en.wikipedia.org/wiki/Gravity>

Gravitation is a phenomenon through which all objects attract each other. Modern physics describes gravitation using the general theory of relativity, but the much simpler Newton's law of universal gravitation provides an excellent approximation in many cases.

MaidenTy1 wrote on Sat, 17 February 2007 06:21 I'm just wondering whether the magnetic field flipover will happen sometime soon, e.g. within my lifetime.

I can't remember the estimated time it takes but it's comparativley imminent - that would be an interesting phenomenen to witness, I don't think too much will happen though I think the animals the use magnetic forces will be able to adjust easily and it's not hard to flip the letters around on your compass to make that work.