Subject: If the earth stopped spinning suddenly... Posted by Viking on Thu, 15 Feb 2007 23:08:06 GMT

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Would we all go flying into the wall?

Subject: Re: If the earth stopped spinning suddenly...

Posted by Dave Anderson on Thu, 15 Feb 2007 23:24:31 GMT

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According to my Astronomy teacher, in theory, yes. Not like you would feel it though, you would be thrown at unimaginable speeds.

Subject: Re: If the earth stopped spinning suddenly...

Posted by Canadacdn on Fri, 16 Feb 2007 00:02:07 GMT

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The earth spins at about 600MpH, so you'd probably be dead.

Subject: Re: If the earth stopped spinning suddenly... Posted by Viking on Fri, 16 Feb 2007 00:18:11 GMT

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What if you had padded walls? Like in mental hospitals LOL!

Subject: Re: If the earth stopped spinning suddenly... Posted by Renx on Fri, 16 Feb 2007 00:32:36 GMT

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What would be more interesting is if gravity suddenly ceased to exist. We'd all go flying out into space at <= 1600km/h...

Subject: Re: If the earth stopped spinning suddenly... Posted by Berkut on Fri, 16 Feb 2007 00:37:06 GMT

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Viking wrote on Thu, 15 February 2007 18:18What if you had padded walls? Like in mental hospitals LOL!

If you stood up against a padded wall and the Earth stopped spinning, the q-force alone would

probably splatter you all over the wall.

Subject: Re: If the earth stopped spinning suddenly... Posted by Caveman on Fri, 16 Feb 2007 01:01:28 GMT

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Canadacdn wrote on Thu, 15 February 2007 19:02The earth spins at about 600MpH, so you'd probably be dead.

Who told you that? The earth rotates at appox 1000MPH but you wasn't fair off.

Subject: Re: If the earth stopped spinning suddenly... Posted by Renx on Fri, 16 Feb 2007 01:29:25 GMT

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It depends on where you are. 1600km/h(1000MPH) is only true at the equator.

Subject: Re: If the earth stopped spinning suddenly... Posted by Cpo64 on Fri, 16 Feb 2007 01:36:52 GMT

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But it only rotates at 0.000694 RPM thats hardly moving!

Subject: Re: If the earth stopped spinning suddenly... Posted by icedog90 on Fri, 16 Feb 2007 02:06:18 GMT

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Stand on the south pole and I think you'd be safe.

Subject: Re: If the earth stopped spinning suddenly... Posted by Cpo64 on Fri, 16 Feb 2007 02:42:07 GMT

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or very dissy.

Subject: Re: If the earth stopped spinning suddenly... Posted by icedog90 on Fri, 16 Feb 2007 02:55:43 GMT

What happens if you spin incredibly fast? I kind of always wondered and have never bothered to look it up.

Subject: Re: If the earth stopped spinning suddenly... Posted by Viking on Fri, 16 Feb 2007 03:09:03 GMT

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YOU FLY APART!!! WEEEE!

Subject: Re: If the earth stopped spinning suddenly... Posted by icedog90 on Fri, 16 Feb 2007 03:15:27 GMT

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Well, I think what I really mean is at what rate would be hazardous?

Subject: Re: If the earth stopped spinning suddenly... Posted by Spoony on Fri, 16 Feb 2007 06:25:39 GMT

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I'm no science expert but I don't believe the hypothetical situation of the Earth suddenly ceasing to spin would actually make us go flying anywhere as a direct result. It's the Earth's gravity keeping us rooted down, not the Earth's spinning motion, and its gravity is due to the Earth's mass and our proximity to it, not its spinning motion.

I could be completely wrong.

Subject: Re: If the earth stopped spinning suddenly... Posted by Jerad2142 on Fri, 16 Feb 2007 06:28:00 GMT

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In the end it would not matter, one side would bake the other would freeze and the middle would suffer from horrible hurricanes and high winds.

Subject: Re: If the earth stopped spinning suddenly... Posted by icedog90 on Fri, 16 Feb 2007 06:35:50 GMT

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Good point.

Subject: Re: If the earth stopped spinning suddenly... Posted by vloktboky on Fri, 16 Feb 2007 07:18:27 GMT

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You won't hit any walls and you won't stay put. You won't exist anymore. Whatever forces were at play that were the direct cause of the Earth reversing its rotation would make certain of that.

Subject: Re: If the earth stopped spinning suddenly... Posted by icedog90 on Fri, 16 Feb 2007 07:58:48 GMT

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Kind of like this? http://youtube.com/watch?v=RsWPFUzxgRU

Subject: Re: If the earth stopped spinning suddenly... Posted by nopol10 on Fri, 16 Feb 2007 09:19:55 GMT

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vloktboky wrote on Fri, 16 February 2007 15:18You won't hit any walls and you won't stay put. You won't exist anymore. Whatever forces were at play that were the direct cause of the Earth reversing its rotation would make certain of that. Philosophical guy...

Subject: Re: If the earth stopped spinning suddenly... Posted by Berkut on Fri, 16 Feb 2007 09:20:51 GMT

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icedog90 wrote on Thu, 15 February 2007 20:55What happens if you spin incredibly fast? I kind of always wondered and have never bothered to look it up.

That depends, are we talking centrifugal, or fixed spinning?

- 1: If you were being held by your feet and being spun faster and faster, you'd rip apart and be hollowed-out.
- 2: If you were standing on the center plate of a merry-go-round, you would eventually skid further and further to one side (remember entropy) until you left the axis and flew off in a random direction.

Subject: Re: If the earth stopped spinning suddenly... Posted by Jerad2142 on Fri, 16 Feb 2007 14:29:10 GMT

icedog90 wrote on Fri, 16 February 2007 00:58Kind of like this? http://youtube.com/watch?v=RsWPFUzxgRU Are you talking about Pluto? And was it just me or was there something wrong whit that solar system?

Subject: Re: If the earth stopped spinning suddenly... Posted by Renx on Fri, 16 Feb 2007 14:42:58 GMT

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MaidenTy1 wrote on Fri, 16 February 2007 02:25I'm no science expert but I don't believe the hypothetical situation of the Earth suddenly ceasing to spin would actually make us go flying anywhere as a direct result. It's the Earth's gravity keeping us rooted down, not the Earth's spinning motion, and its gravity is due to the Earth's mass and our proximity to it, not its spinning motion.

I could be completely wrong.

I didn't think he was saying that the Earth's spin was causing gravity, because it doesn't. He could have been though, I'm not sure. But how I interpreted it was he wanted to know what would happen if just the earth's spinning suddenly came to a halt. Meaning that our velocity relative to the earth's would suddenly become <= 1600km/h. That would send you flying in the direction the earth was spinning.

Subject: Re: If the earth stopped spinning suddenly... Posted by Jerad2142 on Fri, 16 Feb 2007 14:51:09 GMT

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If you were under water when the earth stopped spinning, what do you think would happen.

Subject: Re: If the earth stopped spinning suddenly... Posted by Renx on Fri, 16 Feb 2007 14:58:02 GMT

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Same thing except you'd slow down faster. Assuming you were indestructable.

Subject: Re: If the earth stopped spinning suddenly... Posted by Dave Anderson on Fri, 16 Feb 2007 15:08:27 GMT

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The water would be thrown too. So you wouldn't exactly slow down. The force at which you would be thrown is greater than that of the force that gravity can hold us down on Earth. So I

would presume that if the Earth just suddenly stopped, it would be very devastating.

Subject: Re: If the earth stopped spinning suddenly... Posted by Romaner on Fri, 16 Feb 2007 15:40:26 GMT

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well personally i think that if earth stopped spinning, the effect of it would depend on if it stopped suddenly or over time. if it was suddenly i believe that all of the platos (dunno how to spell that word) would shift causing huge earthquakes and floods and all that good stuff. untill eventually the earth would crack and start breaking in to pieces.

if it was done slowly, then i believe that all of the water would slowly flow to one side of the earth and flood it. and obviously one side would be frozen while the other would become a desert and the middle would be somewhat inhabitable but with terrible cyclones and unpredictable weather patterns.

icedog90 wrote on Fri, 16 February 2007 00:58Kind of like this? http://youtube.com/watch?v=RsWPFUzxgRU

and this brings back some good memories. i think this is the only game i ever left ren for... but then after a few months in space i was back. lol

Subject: Re: If the earth stopped spinning suddenly... Posted by egg098 on Fri, 16 Feb 2007 17:19:29 GMT

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Think of it like if you were in a train travelling at 80mph, and it suddenly stopped moving. The train would be fine, but its contents would be thrown. We only don't notice the spinning because we are always doing it with everything around us.

Subject: Re: If the earth stopped spinning suddenly... Posted by Zion on Fri, 16 Feb 2007 17:35:43 GMT

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The questions and answers people come up with these days

Personally, what would happen is just like that in space. You'd have no gravity holding you in your place. I'm sure that it won't happen though, not in a VERY long time.

So what everyone's saying is when Superman flew backwards around the world to save Lois, when the word just hung there you should have saw the planet turn blood red and bodies fly towards the camera?

Subject: Re: If the earth stopped spinning suddenly... Posted by Renx on Fri, 16 Feb 2007 18:01:48 GMT

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Dave Anderson wrote on Fri, 16 February 2007 11:08The water would be thrown too. So you wouldn't exactly slow down. The force at which you would be thrown is greater than that of the force that gravity can hold us down on Earth. So I would presume that if the Earth just suddenly stopped, it would be very devastating.

I don't think so. There is no force that throws us, beecause we would not be thrown. We would simply just keep moving at the same velocity(relative to the universe) while the earth did not, until gravity caused us to deccelerate(fall back to earth, hit earth, friction slows you down) back to the same velocity as the earth

Subject: Re: If the earth stopped spinning suddenly... Posted by superj69 on Fri, 16 Feb 2007 18:18:12 GMT

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if the earth was to suddenly stop spinning it would be ripped apart, unless it was to stop at every depth at the same time.

Subject: Re: If the earth stopped spinning suddenly...
Posted by MexPirate on Fri, 16 Feb 2007 18:26:39 GMT
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Well as you would all know if you had seen superman complete this very task, time would stop and if the rotation was reversed then time would go backwards!

Or possibly we would all still be rooted to the earth as gravity has nothing to do with the earth spinning, gravity is controlled completely by mass and not movement - also the G Forces people talked about are linked to that gravity and not movement it wouldn't be the same thing as driving in to a wall at 600mph for example - space is a LOT less dense than the atmosphere down here and the forces exerted by it on the earth would be minimal imo. As pointed out though it's an impossible situation and we would all probably all die from the resulting weather conditions and natural disasters regardless of whether we felt the impact of the halt or not.

Subject: Re: If the earth stopped spinning suddenly... Posted by Renx on Fri, 16 Feb 2007 18:41:31 GMT

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We wouldn't be rooted to the earth by gravity. Right now the velocity of the Earth's rotation is 1600km/h at the equator, relative to the universe. We are also moving at 1600km/h relative to the universe, but 0km/h relative to the Earth(assuming we're all at rest). If the earth and only the Earth

itself was to stop, as in suddenly be moving at 0km/h relative to the universe, we would keep moving at the same speed - 1600km/h relative to the universe. Gravity isn't going to prevent that, however it will still keep you on the earth.

Subject: Re: If the earth stopped spinning suddenly... Posted by MexPirate on Fri, 16 Feb 2007 18:48:52 GMT

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Renx wrote on Fri, 16 February 2007 12:41We wouldn't be rooted to the earth by gravity. Right now the velocity of the Earth's rotation is 1600km/h at the equator, relative to the universe. We are also moving at 1600km/h relative to the universe, but 0km/h relative to the Earth (assuming we're all at rest). If the earth and only the Earth itself was to stop, as in suddenly be moving at 0km/h relative to the universe, we would keep moving at the same speed - 1600km/h relative to the universe. Gravity isn't going to prevent that, however it will still keep you on the earth.

the earth relative to the universe extends past the surface, the outer layer of the earth (in contact with the universe) is the exosphere hundreds of miles above the surface and still held in place by the earths gravitational pull (http://en.wikipedia.org/wiki/Exosphere) we would simply act as part of the earth as if you put a sticker on a football, wrapped it in bubble wrap and then kicked it - the sticker isn't going to fly off although the outer layer may receive damage.

Subject: Re: If the earth stopped spinning suddenly... Posted by Renx on Fri, 16 Feb 2007 19:39:04 GMT

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There is no force holding that sticker to the ball, there is adhesive. Instead try a magnetic sphere with a smell piece of metal on it, spin the sphere up to a reasonable speed and then bring it to a sudden halt. The piece of metal will not stay in place(assuming the magnetic force is equal to the force of gravity), it should either fly off or slide across the surface.

Subject: Re: If the earth stopped spinning suddenly... Posted by jnz on Fri, 16 Feb 2007 20:33:52 GMT

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take into consideration that the fact that the earth is spinning rejuces the effect that gravity has on us; if it was to suddenly stop, the gravity would become immense. but we would only feel untill it once we get to the same speed as the earth (which is 0).

Subject: Re: If the earth stopped spinning suddenly... Posted by SlikRik on Fri, 16 Feb 2007 23:04:30 GMT

Okey dokey, time to set EVERYONE straight.

In response to the proposed question:

Quote: If the earth were to suddenly stop spinning, would we all go flying?

Simple answer: Yes.

Now, let me get technical.

The earth is rotating at approx. 1000 mph. The force of gravity holds us to the earth, so that we travel with the earth, at 1000 mph. Since the earth is so large and there are no nearby objects in which we can relate our position to, it does not feel like we are going anywhere at all, when in fact we are going approx. 1000 mph. If the earth where to stop spinning instantaneously, we, being not physically attached to the earth, would go flying, but not vertically as one (who is slightly dimwitted) might think, but rather horizontally. While gravity does exert a certain force on our body pulling us vertically downward, this force would be virtually nullified by our momentum relative to the speed of the earth after stopping (0 mph). Thusly, we would go flying horizontally, along with many other objects, such as rocks, cars, other animals, water, small buildings, etc.

Relate this to a car. Let's say you were traveling in a car at 1000 mph in a very long, very dark tunnel, so that you can't see anything. (Assuming the road is very smooth, and there is sound of wind resistance around the car, for those picky people...) At a constant speed of 1000 mph, you wouldn't feel the movement, and being very dark, you could not see anything, therefore not being able to relate your position to anything. Now lets say there is a very big, solid, dense, heavy, etc (again for those picky people) wall in the tunnel. When the car hits the wall, the car stops, but you go flying horizontally, thru the windshield, slamming into the wall (assuming you're not wearing your seatbelt).

There is about a 99.99% chance that you would die from this event. The three following ways are the most likely scenarios, starting with most likely.

- 1. Flying horizontally, you would eventually slam into a large stationary object, such as a cliff, or other piece of earth that did not get thrown with the sudden stoppage. The force of the impact would literally splatter you.
- 2. If you manage to not hit anything while flying horizontally, you would actually appear to be climbing vertically as well as horizontally (although not vertically at a rapid rate, but after a large amount of time you would actually appear to be shooting straight up). You would move at 1000 mph in a straight line. The surface of the earth is curved. So eventually you would reach quite a large height when the gravity of the earth would start taking effect on you again, thusly pulling you back towards the earth. At this point, you might actually be a few thousand feet in the air, so it would be the same as jumping out of a plane flying a few thousand feet in the air without a parachute.

(Note: cause of death #2 may not be clear to some. If you require further explanation, I'll draw a picture.)

3. Not quite as likely as the others. This also assumes you missed everything while flying vertically. You would, like in number 2, start climbing vertically, and eventually shoot out into space, thusly freezing and being killed by having all your blood boil, thusly exploding your veins, arteries, etc. (With 0 pressure, as in space, liquid boils at a MUCH lower temperature.)

Right, now if you have any questions, please ask. I tried to make it as clear as possible, but I'm sure it is confusing to some.

EDIT: Made a pic anyway. This is to show the flight path of humans upon instant stoppage of earth.

Subject: Re: If the earth stopped spinning suddenly... Posted by Cpo64 on Sat, 17 Feb 2007 00:27:01 GMT

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The problem a lot of people were forgetting about is inertia, the property of matter to keep doing what it was doing, moving, or staying still.

Even if you did manage to survive the flight and the impending impact. The world would be washed over several times as the oceans continued to move, I suspect the pacific would in the very least, wash all the way across the Americas. Central America and all the Caribian islands probably would be washed of the face of the earth all together. And the rest of the Americas would be very... rocky, and dirt less.

Subject: Re: If the earth stopped spinning suddenly... Posted by SlikRik on Sat, 17 Feb 2007 00:47:55 GMT

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Yea, there's so many factors that would come into play if the earth stopped, I mainly concentrated on the humans, lol.

But yes you are right, the principle force of the matter would be inertia, which I forgot to mention.

Subject: Re: If the earth stopped spinning suddenly... Posted by icedog90 on Sat, 17 Feb 2007 00:59:25 GMT

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That would be pretty epic... flying that high before coming back down to die by impact. Of course, you'd have to already acknowledge that you're dead and just enjoy it while it lasts.

Subject: Re: If the earth stopped spinning suddenly... Posted by Cpo64 on Sat, 17 Feb 2007 01:06:38 GMT

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For some reason the mental image of the Pacific Ocean draining, only to be replaced moments

later by the Atlantic Ocean washing up over the eastern seaboard, braking on the Rockies and crashing back down is far too cool to ignore. Even the I would be somewhere over Asia when it happened.

Subject: Re: If the earth stopped spinning suddenly... Posted by SlikRik on Sat, 17 Feb 2007 01:30:43 GMT

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If I did the math I could calculate how far I'd fly and where I'd land, since I literally just studied this in physics, but I'm too lazy. I'm guessing most things wouldn't fly into space, rather fly a few hundred miles and land somewhere else on earth (assuming of course they didn't hit anything solid on the way over.)

Subject: Re: If the earth stopped spinning suddenly... Posted by Zion on Sat, 17 Feb 2007 02:10:47 GMT

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icedog90 wrote on Sat, 17 February 2007 00:59That would be pretty epic... flying that high before coming back down to die by impact. Of course, you'd have to already acknowledge that you're dead and just enjoy it while it lasts.

So you're saying we all go "WEEEEEEEEEEEEE I CAN FLY!!!!!! \*SPLAT!\*"?

COOL!!!! I wanna go!

Subject: Re: If the earth stopped spinning suddenly... Posted by Canadacdn on Sat, 17 Feb 2007 02:54:36 GMT

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If you survived somehow, there'd be an awful mess all over...

Subject: Re: If the earth stopped spinning suddenly... Posted by Renx on Sat, 17 Feb 2007 08:29:53 GMT

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SlikRik19 wrote on Fri, 16 February 2007 19:04

http://i40.photobucket.com/albums/e242/slikrik19/pic.jpg

I fucking love every minute of that diagram. I was too lazy to draw one myself, but that explain it very well.

Canadacdn wrote on Fri, 16 February 2007 22:54lf you survived somehow, there'd be an awful mess all over...

If you were in a plane you'd have a good chance of survival, assuming nothing came up and hit you and that you could find a place to land.

Subject: Re: If the earth stopped spinning suddenly... Posted by JPNOD on Sat, 17 Feb 2007 09:07:03 GMT

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Interesting topic to read. That still brings me to a question in theory would this be possible at all? There is evidence of massive extinctions but nothing like this? I think the earth has proven to be stable nevertheless if it was to happen then its over. Chance of a meteor impact would be alot bigger I guess :/

Subject: Re: If the earth stopped spinning suddenly... Posted by Blazer on Sat, 17 Feb 2007 10:58:08 GMT

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http://starryskies.com/articles/2003/09/earth.rotation.html

http://www.astronomycafe.net/gadir/g2947.html

Subject: Re: If the earth stopped spinning suddenly... Posted by Spoony on Sat, 17 Feb 2007 12:21:34 GMT

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I'm just wondering whether the magnetic field flipover will happen sometime soon, e.g. within my lifetime.

Subject: Re: If the earth stopped spinning suddenly... Posted by SlikRik on Sat. 17 Feb 2007 14:12:31 GMT

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SlikRikI'm guessing most things wouldn't fly into space, rather fly a few hundred miles and land somewhere else on earth (assuming of course they didn't hit anything solid on the way over.) I was wrong.

Well after I got offline vesterday, I did one calculation, and realized that to get my answer I'd need

to do a few more, so I made a calculator program to do that for me...

Anyways, I finally figured out that the lateral speed of you traveling in relation to the earth and it's gravity would be enough to basically propel you out into space, since the earth's gravity would not be enough to bring you back down.

However, I did not take into account air resistance in my calculations, but most likely, it would also have a small negligeable impact on your flight, since it too is matter, and when the earth stops, would go flying like everything else.

See attached pic for human flight path, not drawn to scale. After approx 1 hour of flight at a constant 1000 mph, a typical human would reach a height of 125 miles above the earth's surface.

EDIT: Forgot to add this: All the above assume you have a clear flight path, there are no protruding pieces of earth or large brick walls to slow you down. However the actual chances of this are slim to none. It is likely that within at least the first minute of flight you would indeed hit something, be splattered upon it, get crushed by 2 other heaver objects, get stabbed by flying knives, or something like that...

Subject: Re: If the earth stopped spinning suddenly... Posted by Zion on Sat, 17 Feb 2007 16:10:47 GMT

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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.

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 10:10You'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 06:21I'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.

Subject: Re: If the earth stopped spinning suddenly... Posted by SlikRik on Sat, 17 Feb 2007 17:54:40 GMT View Forum Message <> Reply to Message

Well MexPirate, you beat me to it. I was about to say that gravity is most definately not caused by a spinning of an object.

In fact, spinning creates centripital force, a force that throws you away from the object. Ever been on one of those rides where you stand against the wall and start spinning and the floor drops out? The reason those rides work are because the centripital force, created by the spinning of the ride,

holds you against the wall.

As for the magnetic force thingy, see NOVA. Call me a nerd, but I generally find these shows to be quite interesting, and when I have the time, will sit down to watch a few, particularly about space or technology.

EDIT: For those who don't know how to navigate, see Reversals.

Subject: Re: If the earth stopped spinning suddenly... Posted by Ripintou on Sat, 17 Feb 2007 18:04:56 GMT

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If the Earth stopped spinning, would this mean I would finally see Pigs Fly?

Subject: Re: If the earth stopped spinning suddenly... Posted by SlikRik on Sat, 17 Feb 2007 18:08:57 GMT

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You are correct sir, assuming you were close enough to a pig at time of stoppage. Don't forget, everything will be flying at 1000 mph, so it's not like a pig will fly rite by you, unless you somehow stopped and survived long enough to see a pig go by.

Subject: Re: If the earth stopped spinning suddenly... Posted by Canadacdn on Sat, 17 Feb 2007 18:14:16 GMT

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I really don't think that the human body could survive the sheer force of being flung so hard, so I don't know if you would be able to see anything.

Subject: Re: If the earth stopped spinning suddenly... Posted by Ripintou on Sat, 17 Feb 2007 18:15:05 GMT

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What if I'm flying a plane @ 1000 mph, I'm not connected to the Earth so would I live long enough to see my Pig Fly?

Subject: Re: If the earth stopped spinning suddenly... Posted by SlikRik on Sat, 17 Feb 2007 18:25:04 GMT

That's an interesting question, one I am not 100% certain of the answer. I think you would have a much better chance of surviving, you'd probly have to fight major turbulence of the air suddenly jumping to 1000 mph, and after some time you would also have to dodge all the other objects that are flying out and up, but yea you just might live long enough.

Subject: Re: If the earth stopped spinning suddenly... Posted by Canadacdn on Sat, 17 Feb 2007 18:37:06 GMT

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Wouldn't the plane simply be ripped apart from going so fast?

Subject: Re: If the earth stopped spinning suddenly... Posted by Renx on Sat, 17 Feb 2007 18:49:12 GMT

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Canadacdn wrote on Sat, 17 February 2007 14:14I really don't think that the human body could survive the sheer force of being flung so hard, so I don't know if you would be able to see anything.

I wouldn't be "flung." You would just keep moving at the same speed you are not, while the earth did not. I believe it would look more like the earth was moving instead of yourself at first.

Subject: Re: If the earth stopped spinning suddenly... Posted by icedog90 on Sat, 17 Feb 2007 20:10:45 GMT

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RenX is right. There will be no force that would "fling" you forward. You would continue the motion while the earth stops.

Subject: Re: If the earth stopped spinning suddenly... Posted by SlikRik on Sat, 17 Feb 2007 22:15:08 GMT View Forum Message <> Reply to Message

Canadacdn wrote on Sat, 17 February 2007 13:37Wouldn't the plane simply be ripped apart from going so fast?

No. Modern day fighters are more than capable of going 1000+ miles per.

It's more of a theoretical question I guess, much like my 1000 mph car in the dark tunnel...