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

Posted by [SlikRik](#) on Sat, 17 Feb 2007 14:12:31 GMT

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SlikRik 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.)
I was wrong.

Well after I got offline yesterday, 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 negligible 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 heavier objects, get stabbed by flying knives, or something like that...
