

## THE UNPREDICTABILITY OF THE ROTATION SHIFT OF EARTH Update 2024

*Some years ago sufficient physics was understood to point out the likelihood that the shift of the rotation axis was a possibility. See below: [Earth axis precession shift](#) and as introduction [Poincaré](#). Comment: Both these articles are earlier studies stating the problem. There is absolutely no question that after proving experimentally the existence of the weak gravity condition that the shift of the rotation axis cannot happen. The only speculation is the imminence of the shift. See introduction page website [Awaiting near future](#)*

However over the following years an understanding of how the universe and gravity behaved under the weak gravity condition or the macroscopic entanglement driven by the mediating medium of ultra fast and light dark matter, was completed. What was overlooked so far? Actually the understanding of the complete dynamic gravitation generation. Although the physics model of the [sunwheel drive](#) included correctly that inertia of the macro mass plays an important role in the dynamics of gravity generation by the medium. Namely the dynamic gravity exchange is a fast process of 'mode of exchange' for the dark matter rigid rotors of the medium leaving the overall inertia of atoms untouched, a nearly dissipation free process. Fast exchange of coherent groups of atoms is possible due to Sacharov's law of the mediating medium.

The point being that the inertia shift in the radius of the sun is to be distinct from the equivalent radius generated by the fast dynamics of the medium. Actually a delay or an exchange gap can be generated. Intrinsicly it is nearly impossible to predict when the inertia precession shift for the rotation axis of Earth happens. That said the inertia shift of the sun's radius is probably gradually adapting to the fast displaced dark matter radius but the uncertainty for the inertia shift of the Earth's axis is nearly impossible to predict as a consequence of a fast radius contraction of the sun. Actually for the same reason, the inertia shift of the axis only adapts slowly to the fast shift driven by the medium.

The fast dynamic gravity generation of Earth does not influence Newton's orbital rotation around the sun but it is coupled to the dynamics of solar gravity of the fast medium. See [Planet chap 5](#) In addition Earth as a nearly solid state of matter behaves differently to dense gas fluidity of the sun. The dark matter radius of Earth is much smaller than the surface radius and the dark matter rigid rotor can dynamically reach positions of 45° with the rotation axis to change all over again. Note, there are two options, either 180° turnover of the axis, *Leupen's assessment*, or the rotation axis in the solar plane of eclipse.

Similarly one can reason the shift of the rotation axis of Mars having more solid matter than Earth. Only the Earth shift makes it worse than Mars because the polar ice caps are melting, increasing the ocean levels which suggests higher tsunami levels (probably more than 4 km, *see Leupen*) and also longer lasting instability to the new equilibrium of axis position. The Mars shift seems less intense.

The unpredictability of the Earth rotation shift has obviously an enormous repercussion to the collective social world community. Either the community behaves within reasonable bounds or as now is understood panic waves in the fast intermediate medium which can influence the inertia trigger for the rotation shift. It is all very well, one can set up a complete physics model which calculates the accumulation of 'elastic stress' between the fast medium and the inertia state but any reasonable prediction seems at this moment of writing impossible.

### EARTH PRECESSION OF ROTATION AXIS *Earlier statement of the physics problem*

Due to the supposition of the existence of an ultra light carrier medium controlling the Sun's gravity, the rotation axis of Earth can be influenced. In steady state with hardly any matter loss due to

electromagnetic radiation, the Sun's diameter does not change. At present the sun loses  $4.3 \cdot 10^9$  kg per second due to hydrogen fusion burning which means that the change of radius at the same temperature conditions for a radius contraction of the event of 1.500 m is around 170 to 200 thousand years. Overall the sun's macro mass of  $2 \cdot 10^{30}$  kg hardly changes. Well an event change in radius is just a supposition based on radial shift of the sun's radius due to the ultrafast mediation medium.

However, to continue with the precession shift of the Earth axis, a shock change in the Sun's radius over Sun's equatorial plane in which the planets reside, gives a cross vector product to the Earth axis resulting in a shock of precession. What magnitude is not too important yet. Just that is possible due to the existence of an intermediate medium. Also note if the Earth's axis is affected then also Mars' radius has precession shift, similar angle of rotation axis to equator. Maybe less in magnitude but still influenced. The rotation axis residing in the equatorial plane gives no precession. Further there is also another shock option. It's the orbital change which can be small but in case of the Moon the orbit change shall be more severe. However the precession shift is the most important to consider. Meaning also that colonisation of Mars or Moon is not safe from Sun's radial shocks.

In [vixra.org](http://vixra.org) the steady state situation for the dark matter momentum dipole (radius) for Earth was calculated. In itself not a problem but it showed that the dm radius of 2.6 km, 2.3 thousand times smaller than Earth radius making the dipole rotate proportional faster, is not in a stable position. At  $45^\circ$  degrees from Earth's equatorial plane the dipole can easily flip over in the opposite position of the equatorial plane. So the potential of Earth precession shock as well as the non stable potential of the internal dipole can enhance the shock making so that the Earth rotation is more severe with the option of a  $180^\circ$  flip over. *What happens to Earth if the axis turns over completely by  $180^\circ$  is recorded by author J.Leupen, 'Could the sun rise in the west' (ISBN: 978-90-812507-1-9, June 2008) Probably not available any longer, perhaps university libraries, Netherland, author possibly deceased.*

To set up the calculation for the shift of Earth precession, use the first entanglement transformation for dark matter in the radial direction of the sun. Work with quanta of  $\delta R = \lambda$  (event), cross vector product for precession.

#### IS POINCARÉ'S LAW FOR THE ROTATION OF AXES OF HEAVENLY BODIES WRONG? Introduction of 2020

About fifty years ago the pyramid model was launched by Stephan Denaerde. In one of his personal discussions with me about the pyramid model revealed the purpose of the model.

[Explanation pyramid model](#) The statement of being aware of, is as follows:

Due to the Sun's sudden changes in diameter the rotation axis of Earth could make a sudden shift. Perhaps that severe that the Earth axis and therefore the whole Earth, could tilt over  $180^\circ$  or another possibility could change to  $90^\circ$  getting the equator over old poles and the new pole axis in the solar equatorial plane. Imagine the last, our 24 hour cycle of day and night does not exist any longer. Only the seasonal cycle will be there. Antarctica is in the Earth equatorial plane with the opposite, the sea at the old North pole. Every half year Antarctica is in the tropics followed the next half year by the North pole in the tropics and total darkness at other semi spheres. No ice caps will be there and parts of Asia and North America are always in the dark. Something similar for South America. Only small strokes of the continents have some twilight every half year.

Well perhaps due to the ellipticity of Earth there is an end position not exactly at the old equator plane but due a wobble the new position of the axis becomes  $5^\circ$  from (up or down) the solar equatorial plane.

Any road the idea is shocking enough. However, is it really possible? If the question is put correctly, the answer is yes but it may only be valid as a potential. There are many considerations to be made before this potential becomes a reality itself. And further what can mankind do about it?

However let us first consider the sciences of the 20<sup>th</sup> century. Poincaré proved that all planetary orbits around the sun even if the onset of the orbits had some ellipticity then in the end they relaxates to circular orbits all together because gravity of all the eight big planets influenced each other. What has this to do with the rotation axes? Only that these are independent from orbital relaxation and still if the sun pulls suddenly the rug of the equatorial plane then the axes of any planet are not changing which is due to Newton's law of conservation of angular momentum because there is no coupling between orbital changes and the one of the axis. In other words the axes are absolute in their orientation to empty space around these which is correct for non relativistic gravity fields such as our Sun.

Well this explanation of empty space is correct except in the case that there may be an invisible let us say non relativistic medium carrying gravity instead of the gravity as Einstein states is due to the space time curvature of empty space itself. In case gravity is carried by this medium, the picture changes completely and in the theory the physics of gravitational levitation ([pilot experiment g-levitation](#)) it is shown that there is a ultra fast or ultra light of medium of dark matter that could behave as the pull of a solar rug to any rotational axis of a planet. But if the rotation axis is already in the plane of the solar equator then any solar shift cannot influence the axis or the axis is not sensitive to sudden solar changes in diameter.

Above is only a statement of a possible potential for rotation axes that the theory of dark matter predicts. The theory may be valid but it is as yet not observed that such an ultra light dark matter medium exists and the question is how can it be observed to be proven? So one needs an experiment to show this ultralight and ultra fast medium is a reality. Another remark is, can one prove the existence of solar radial quantum contractions and so these quantum shifts become real? This should be due to the quantum shift of the fast mediating medium with respect to the inertia radius of the sun.

*Conclusion: At the moment (2020) there is enough doubt if a precession shock of the rotation axis of Earth becomes a reality or not. It is not because of the non-existence of an ultra fast carrier medium of dark matter, a medium not sensitive to electromagnetic interaction. It is because the hypothesis of the solar quantum shift is not complete and is awaiting the proof of the existence of this medium by the proposals of experiment for gravitational levitation. [pilot experiment g-levitation](#)*