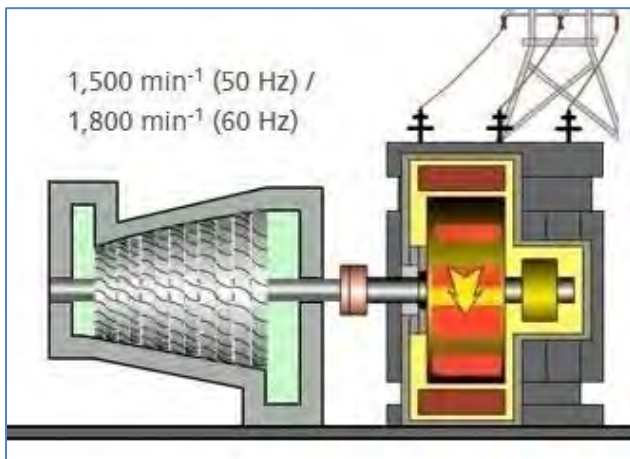


Experimental Tests of Spacetime Engineering

By the end of October 2025, I plan to complete two large-scale experiments with [spacetime engineering](#). The 'proof of concept' will be shown at *GRAVITY 21* (p. 13 in [GR_textbook.pdf](#)). No, I do not entertain people with "magic" ([ibid.](#), p. 24). It is all about [the origin of gravity](#).

1. Gravitational rotation

As acknowledged on p. 8 in [facts.pdf](#), the theory still cannot be verified with experiment or observation. As of today, 20 October 2020, I still cannot rotate a *heavy* chunk of metal with gravitational rotation (p. 18 in [BCCP](#)).



My proposal for producing unlimited electricity is based on gravitational rotation (p. 4 in [The Physics of Life](#)): spin the [steam turbine rotors](#) in all [power plants](#) with spacetime engineering (p. 6 in [Gravitational Energy](#)). No water supply, heat, or hazardous [nuclear fuel](#) will be needed. It shouldn't be a problem to rotate a chunk of metal – gravity can *effortlessly* rotate a [whole galaxy en bloc](#). This is the way to solve the task for unlimited clean energy and save our planet from the upcoming [climate crisis](#) – read p. 28 in [BCCP](#). We must not use [nuclear fission](#) nor [coal](#).

2. REIM

REIM is an acronym from 'reversible elimination of inertial mass'. This second test requires the support from various institutions. We make **two** round trips with a private jet over a distance of at least 500 km: the pilot, two inspectors, and the author of these lines. We also need two high precision portable atomic clocks ([\\$1500](#) each), which will be synchronized before flying. One of the synchronized portable atomic clocks will be placed in the jet. After the first round trip with average speed of, say, 500 km/h, the two inspectors will compare the atomic clock in the jet with the one kept on the ground, to verify that no measurable [time dilation](#) has occurred. Then we make the second round trip of 500 km, and once the jet reaches its maximum height at app. [41 000 ft](#) or 12.5 km, the pilot will let me fly the jet. I will make it a **REIM** drive and fly until we come back and approach the airfield, at which point I will let the pilot safely land the jet, and the inspectors will compare the atomic clock in the jet with the one on the ground. If the [time dilation](#) has occurred, I will consider the theory confirmed (p. 10 in [wegtransformierbar.pdf](#)).

Perhaps one could also test the theory by observation, as recorded with video cameras installed on the cockpit window, facing forward. If the **REIM** drive (the jet with idling engines) is flying in our **RS** reference frame with 5 km/h and with **RS** factor $\Omega = 1000$, an observer on the ground will measure our speed as 5000 km/h. It cannot be ruled out that the video cameras in the cockpit will record an anomalous behavior of 3D space in front of the jet, meaning that the space itself will look like moving toward the **REIM** drive at rest. It's all relative, as uncle Albert used to say (pp. 20-21 in [BCCP](#)).

As always, I strictly follow the 'two rules for success' by Roger H. Lincoln:

Rule #1. Never tell everything you know.

D. Chakalov

20 October 2020, 13:50 GMT