

Reversible Elimination of Inertial Mass (REIM)

When I was a little kid, I was dreaming about flying like a bird in the sky. Now it seems that I learned it, although not very high and **not very fast**. It is called REIM, an acronym from 'reversible elimination of inertial mass'. REIM is one of the predictions of my theory of gravity. You can read about it in the first paragraph of my website at chakalov.net. Here I will say a few words about REIM and then will show it by flying (app. 30 sec) in this room. Later in 2024, I plan to demonstrate REIM in four European cities by flying over the roofs there. This will be the indisputable official demonstration.

My name is Dimi Chakalov. Notice the pronunciation of my family name – tcha-*KA*-lov, with the accent on the *second* syllable. I am the founder of [spacetime engineering](http://chakalov.net); read again the first paragraph at chakalov.net. My theory of gravity, called '[modified gravity](#)', is very different from the one suggested by Albert Einstein and called '[general relativity](#)' or GR for short. The first off difference is that I use the [arrow of Time](#) manifested in the *asymmetry* of the past and the future. The theory is quite complicated and requires [new physics](#) and new mathematics (p. 8 in '[Modified Gravity](#)'):

chakalov.net/modified_gravity.pdf

chakalov.net/waves.pdf

chakalov.net/curvature.pdf

chakalov.net/video_101.pdf

chakalov.net/quanta.pdf

chakalov.net/jackets.png

Very briefly: REIM is possible thanks to the [arrow of Time](#). In this very short video, I will only present REIM and offer the reports above. Once I read the reviews* of my theory of gravity (p. 1 in '[Modified Gravity](#)'), I will release a longer and comprehensive video at Vimeo about the [official demonstration](#), titled '[Spacetime Engineering 101](#)'. Then the ball will start rolling.

Now let me move the camera away to capture the entire living room, after which I will fly for roughly **30 sec**. It is a very simple exercise, if only you know *what* to do, and *how* to do it (*ibid.*, p. 12). And it's great fun, too.

I hope you will like the video. If not – your money back!☺

D. Chakalov

chakalov.net/REIM.mp4

* Only [independent experts](#) in gravitation can review my theory of [modified gravity](#) and examine the bold [facts about GR](#). I prefer to have their reviews of the [self-acting](#) (Sic!) force of gravity (p. 1 in [curvature.pdf](#)) prior to the [official demonstration](#). It cannot be ruled out, despite my [relentless efforts](#) to avoid any errors, that my theory has flaws or loopholes, which I haven't been able to identify. Is it safe to fly with REIM at high altitude? Could it be that the low-energy REIM was just a sheer luck, like the story about [Nancy](#)?

Addendum

The answers to the two questions above are as follows. Yes, it is perfectly safe to fly with REIM, and — no, REIM was not some blind luck. I repeated it many times in various conditions, such as flying over the roof of my villa, in a pitch black night. As I mentioned before (p. 7 in '[Modified Gravity](#)'), the public demonstrations of low-energy REIM are under intense preparations. I hope to obtain permissions from the city authorities in four European cities to go public in the [summer of 2024](#). Then the experts in [GR textbooks](#) might get professional and deliver their brief reviews of [modified gravity](#), perhaps by 2030. Realistically, [when pigs fly](#).

As Max Planck remarked in 1936 (*The Philosophy of Physics*, p. 53):

An important scientific innovation rarely makes its way by gradually winning over and converting its opponents: it rarely happens that Saul becomes Paul. What does happen is that its opponents gradually die out and that the growing generation is familiarized with the idea from the beginning: another instance of the fact that the future lies with youth.

Recall how "crazy" was Christopher Columbus in [August 1492](#): he had only a [dubious map](#) suggesting that, if he sails west, there could be a chance to find a shorter route to the Far East. My map is also totally "crazy", as it suggested (not "[discovered](#)") a new world governed by the [arrow of Time](#). But unlike Christopher Columbus, nobody is endorsing my efforts, not even the [climate scientists](#) — none of them is interested in my project aimed at resolving the [climate crisis](#). Even worse, none of them even acknowledged any of my email messages which I've been sending them since August 2019. And the [gravitational rotation](#) is still a mystery (p. 13 in '[Modified Gravity](#)'). Perhaps *the only way* to get people interested in [new energy sources](#) is by demonstrating REIM to the public in the [summer of 2024](#). Qui vivra verra.

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