

**MAY THE FORCE
BE WITH YOU**

Spacetime Engineering Manual

D. Chakalov

chakalov.net/#reports

1. Introduction

There are two tracks of spacetime engineering: spiritual (natural healing, such as [Reiki](#)) and [industrial](#) (p. 6). The first track explores our ability to alter the future states of [biological systems](#) in order to help people recover from various functional disorders, as explained on 15 January 2020 in my video lecture [Spacetime Engineering 101](#). Read [here](#) about the two tracks. The industrial track is still [unclear](#), as it implies both [gain and loss](#) of mass.



Quote from Fred Cooperstock in [arXiv:gr-qc/9904046](https://arxiv.org/abs/gr-qc/9904046): "The ideal situation would be the following: monitor a system from an initial stationary state through a dynamical phase and ending in a final stationary state. The mass difference between the initial and final states would reveal the mass loss." Or the mass gain. [Either way](#), the "[donkey](#)" will carry you and the cart there.

You only have to swing the carrot (*potential future*) toward your desired destination, and the donkey will carry you and the cart there. The principal question is how to develop feedback from the *atemporal Platonic* "carrot" and get empowered by 'It': follow the **Law of Reversed Effort**. There is no

physical interaction between you and the *wegtransformierbar* 'It' – you'll only notice that your ability to perform **self-action** has *increased*. It is not like [Baron Münchhausen](#), firstly because [Newton's 3rd law](#) is not valid [here](#).

In [parapsychology](#) and the old Eastern teachings, you have **totally different** motivation: you develop particular skills, based *exclusively* on your desire to [entertain people](#) and make money. For example, you may learn how to pass a coin through a thick glass table (vimeo.com/663803238) or punch your fingers through a [block of wood](#). And you may get very wealthy.



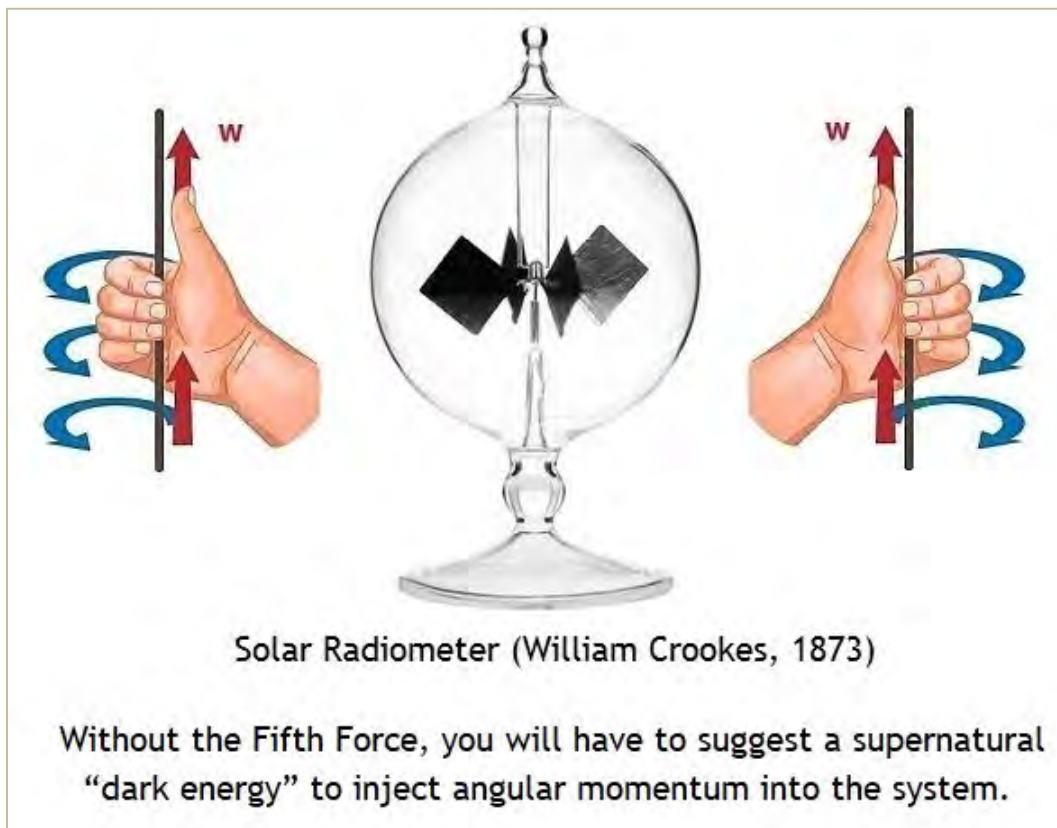
"It's the wood that should fear your hand, not the other way around."



The former martial arts star [Gordon Liu](#) (71) has been living in a nursing home since suffering a stroke that left him partially [paralyzed in 2011](#).

Spacetime engineering (p. 1) is **not** about [entreating people](#). The first step is to develop skills in [natural healing](#) and harness the [Fifth Force](#). According to [Wikipedia](#), “there is no empirical evidence that such a life force exists”.

As a matter of fact, there *is* empirical evidence that the [Fifth Force](#) exists. In 2022, I tried very hard to find some technical laboratory in EU or in Israel to host and supervise my experiments, but [nobody showed any interest](#).



I will explain below the basic basics of spacetime engineering ([Ch. 2](#)). Try the experiments [here](#) and [here](#), and let me know if they were difficult. The training should take roughly two weeks, depending on your motivation.

But keep in mind that I could *only* place you on the right (and probably very long) path toward the [Fifth Force](#). Thus, I can only help you accomplish the *necessary* condition for training your mind and soul, whereas the *sufficient* condition depends on your free will choice and motivation. If you personally feel the need to help people around you, like a family doctor or nurse, you are *the* right person to take on the spiritual track of spacetime engineering. The [industrial track](#) seems quite [unclear](#). But not impossible: read [talk.pdf](#), [text.pdf](#), and p. 6 and pp. 15-16 in [Newton.pdf](#). Then move to Ch. 2 below.

2. The basic basics

As [Chuang Tzu](#) noted, to the mind that is still (*wu-wei* or non-action), the whole universe surrenders. This is the Law of Reversed Effort ([p. 1](#)). You only have to let 'the whole universe' unfold inside you and empower you with the [Fifth Force](#). You can't somehow grab the Fifth Force and drag it inside your body. Instead, it is like you open widely the door of your home and invite all people in it, with all your love. Because [God is Love](#): p. 6 in [video.pdf](#). And this is why spacetime engineering is diametrically opposite to [parapsychology](#). You can't weaponize the Gospel: "Ask and it will be given to you; seek and you will find; knock and the door will be opened to you" ([Matthew 7:7](#)). Try to ask for money or power over "the bad guys", and see what you will get. Just one example: Adolf Hitler used the most gifted [parapsychologists](#) in Nazi Germany, yet none of them could even hint to the [D-Day in Normandy](#). It just doesn't work that way. You may have "good Jedi" and "bad Jedi" only in [Hollywood movies](#). Of course, many Jedi-wannabe will try to find some loophole in spacetime engineering, to 'run with the hare and hunt with the hounds'. Well, read my mind☺.

Let me first explain why you need to know the theory.

Three years ago, a [friend of mine](#) asked whether he could learn [spacetime engineering](#) without the hassle of learning my "crazy stuff". Suppose you wish to learn how to juggle three balls: watch the manual at [YouTube](#). However, suppose you cannot see the balls, and actually have three spoons at your disposal. You only *believe* that you're dealing with balls, but they are in fact spoons. Moreover, you *believe* that you will be tossing balls (not spoons) in the air, but you have feedback from your legs only, because you are blindfolded and can't see anything. You try to move your arms and toss the balls in the air, but in fact you're moving your legs and kicking the three spoons on the floor. What skill could you learn without that "crazy stuff"? Try instead [meditating on a rock](#), for at least 10 years. Good luck.

I will explain here the basic basics (BB). For more, read closely [Force.pdf](#).

BB1: Following the proposal by Gottfried Wilhelm von Leibniz about the common origin of matter and psyche, we place their origin in their common potential [future](#) ([Slide 14](#)). The latter is **unobservable** with light *ab initio*.

Corollary 1: All physical effects from the potential **future** — the **self-acting Fifth Force** — will look “dark” to present-day **theoretical physicists**.

BB2: According to **GR textbooks**, we cannot observe the *potential future* (“carrot”, **p. 1**). At any instant ‘now’, the *potential future* has *already* disappeared (**Sic!**), like Eliot’s cat **Macavity**. It resembles the **UN**speakable cognitive vacuum in the **first experiment**. We cannot “see” the cognitive vacuum, but can “recall” its ‘meanings’, as if we had forgotten them but now we have “recalled” them. These ‘meanings’ spring *directly* from our memory. For example, when you work with the solar radiometer (**p. 3**), you will “recall” its *mental image* (cf. the **second experiment**) that delivers the ‘meaning’: it springs *directly* from your memory, as if you’ve “recalled” it. Then you can access the solar radiometer (**p. 3**) from your **body schema** and can easily spin it, much like you juggle three balls (**p. 4**). Tricky but doable.

Corollary 2: Due to the *wegtransformierbar* potential **future** (the “carrot”, see **p. 1**), we interact with ourselves by **self-action**. We endorse the mantra ‘only matter interacts with matter’, only **here** matter interacts with *itself*. This is the **self-action** of the **Fifth Force**. It is not like **Baron Münchhausen**.

NB: There is no “**dark energy**”. The **Fifth Force** is neither a **physical field** nor some paranormal “ghost”. It is **the “force” of Time**. We can explain (i) the *origin* of **gravitational radiation**, (ii) the **mind-brain relations**, and (iii) the **causal arrow of spacetime**. Read **talk.pdf**, **text.pdf**, and **Newton.pdf**.

Excerpt from *Gravitational Energy* (15 February 2020) at **chakalov.net**:

There is a nice French saying: *une hirondelle ne fait pas le printemps* (literally, one swallow doesn’t make a spring).

In my case, I can modify it as follows:
 Une hirondelle ne fait pas le printemps.
 Deux hirondelles ne fait pas le printemps non plus.
 Mais cinq hirondelles ... well, that’s a whole new ball game!



I have so far 5 (five) confirmations of spacetime engineering. That’s a whole new ball game. Not “discovery”, as Eq. 1 **above** is still in symbolic form.

Yes, there is empirical evidence that the **Fifth Force** exists (**p. 3** and **NB**).

Perhaps you can “[see](#)” everything simultaneously and from all directions, including the inner 3D structure of solid objects and things obscured from 3D viewpoint; for example, all six sides of an opaque box ([Wikipedia](#)) and at *the same instant* everything inside the box, from “inside out” as well. Also, your subjective *flow* of time may slow down a little, as if you watch a video clip recorded with 60 frames per second (fps) with a slower rate of 10 fps, and (maybe) you will be able to “see” everything in much finer details.

I will be happy to suggest particular exercises with what I called ‘meaning’ (p. 5), which you will have to master in order to ‘include’ the radiometer (p. 3) into your [body schema](#) and spin it. All you need is to acquire a very specific feedback from the radiometer ‘locked ‘n loaded’ with [Fifth Force](#), which “injects” new stress-energy-momentum and angular momentum in the [radiometer](#); see an illustration in [ball.mp4](#). There is no “[dark energy](#)”.

The *origin* of the [Fifth Force](#) is the [quantum-gravitational vacuum](#) creating *exclusively* [positive mass](#) (p. 11 in [Newton.pdf](#)) due to the [asymmetry of Time](#). Just like the “[quarks](#)”, the “[negative mass](#)” is directly [unobservable](#).



Unlike the spiritual track of spacetime engineering (p. 1), the [industrial](#) one seems quite [unclear](#), yet [possible](#). Luckily, we don’t have to dive here into [quantum gravity](#) and the “[edge](#)” of spacetime, and will limit our scope to the psychological issues of spacetime engineering. But [again](#), I could only place you on the right path to the [Fifth Force](#). Let me know if you are ready and willing to work (p. 3). For mathematicians, see [chakalov.net/#God](#)

Acknowledgements

I am deeply grateful to the Eugene Higgins Professor Emeritus of Physics and Natural Philosophy at Yale University [Henry Margenau](#) for his moral support and encouragement in June 1990, and to my beloved parents Gocho G. Chakalov and Dany Chakalova for their longstanding moral and financial support. They went [back home](#) and are now with Jesus.

31 January 2023, 22:46 GMT

Addendum

Some of my readers asked for “a simple example of fifth force”. Sorry, nothing is “[simple](#)” here: [p. 5](#). The two *infinitesimal displacements*, called ‘change *in* space’ and ‘change **of** space’ (suggested on [21 September 2008](#)), encapsulate the *force* of Time, which is exactly **nullified** in GR textbooks. For example, in [ADM hypothesis](#), the ‘change *in* space’ (or ‘[metric time](#)’) is the observable [symmetrical](#) time ‘as read with a clock’. The fundamental ‘change **of** space’ along Heraclitus’ [arrow of spacetime](#) is **not observable with light**. It is *necessarily exactly nullified*: [p. 17](#) and [p. 26](#) in [Newton.pdf](#). We need a brand new 4+**0** D spacetime manifold to include the two *modes* of spacetime, as suggested on [21 September 2008](#). We need [Mathematics](#).

As an illustration, watch again [ball.mp4](#). In Case A below, the magnitude of the Fifth Force as [the “force” of Time](#) is infinitesimally [small](#), but *not* zero.



Case A: Newton’s [laws of motion](#)



Case B: No idiotic “dark energy”

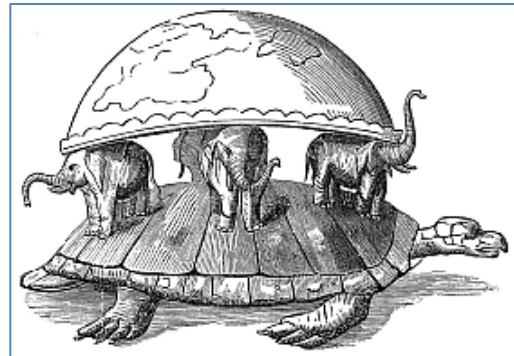
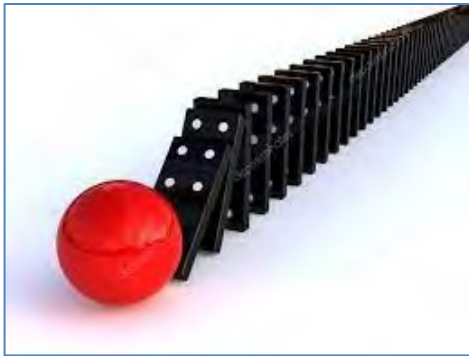
Regarding Case A, we show below a set of consecutive states of the ball, to explain the idea of [symmetrical](#) time as ‘change *in* space’. Notice that the entire [background](#) depicted in the movie reel must be **physically nullified** “during” [Zen](#) ([p. 15](#) in [talk.pdf](#)), or else it will be relational *physical* object and the theory of relativity will be demolished ([p. 17](#) in [Newton.pdf](#)).



Fig. 3 on [p. 11](#) in [talk.pdf](#); read also [p. 17](#) and [p. 26](#) in [Newton.pdf](#)

But in Case B ([p. 6](#)), the magnitude of the Fifth Force as [the “force” of Time](#) is not vanishing small, and the “[anomalous](#)” physical effects can be detected: read [p. 3 above](#) and [p. 4](#) in [text.pdf](#). Sorry, nothing is “[simple](#)”. Read closely [p. 6](#) in [GR_textbook.pdf](#) (16 June 2020) and NB on [p. 5 above](#).

Recall that in QM textbooks the so-called **collapse of the wave function** is introduced '**by hand**', whereas I propose a new form of **quantum reality** (**Erwin Schrödinger**) with *positive* mass only (p. 6), endowed with the **self-acting Fifth Force** rooted on Aristotle's **Unmoved Mover**. The latter is the ultimate **cutoff** on the **infinite regress** known as '**turtles all the way down**'.



Another speculation introduced also '**by hand**' is the "creation" (**Sic!**) of 4D spacetime (**Slide 12**). These "miracles" are replaced with the **self-acting Fifth Force** (p. 5) resembling a '**hand** in a glove' (quantum **matrix**), which controls the **invariant proton mass** (MTW p. 1215), as well as **your brain**.



Sure enough, the '**hand**' is *not* **physical stuff**, so it can never "**collapse**".

In summary, the **basic basics** of spacetime engineering (p. 4) are (i) the doctrine of *trialism* (**Slide 14**), explained at p. 3 in **talk.pdf**, and (ii) the **arrow of Time** (*ibid.*, p. 4, p. 15, and p. 19). Once you **understand (i) and (ii)**, you won't be 'kicking spoons on the floor' (p. 4). You will complete the *necessary* condition, all by yourself, for training your mind and soul with spacetime engineering (p. 3), and will have the chance to accomplish the *sufficient* condition by embracing **God as Love** (p. 4). The choice is yours.

Reversible Elimination of Inertial Mass (REIM)

Do you want to fly? It is all about the [arrow of Time](#) and the **flexible** invariant spacetime interval adjusted dynamically by the *light-travel time*: read [E.F. Taylor and J.A. Wheeler](#). Namely, once you gain control over the **flexible rate of Time**, you will be able to eliminate (reversibly) your weight and become weightless (**zero G-force**). Then you only need the [Fifth Force](#).



You can fly your body with REIM just like you would move your arm, say. No, REIM is not Chinese “[magic](#)”. Follow the links [above](#) and read closely [Force.pdf](#), as well as the experiment with your brain [here](#) and my previous note [here](#). REIM is perfectly safe and is [enormous fun](#), too. [Forget GR](#).

Physicists very seldom acknowledge that the feedback by ‘geometry’ on matter and fields ([MTW p. 5](#)) is an acute unsolved problem. As an analogy, the shape of a mountain is caused only by the mountain, so how can the ‘shape’ [act back](#) on its mountain (p. 3 in [Force.pdf](#))? It just can’t. Instead, both the geometry (the shape) *and* its source (the mountain) are **pre-correlated** (**Sic!**) by a **third** phenomenon: their common potential **future**. The latter is [UNspeakable](#), yet you can get a grip on it. Tricky but doable.

In the summer of 2024, I plan to demonstrate REIM in four European cities by flying over the roofs there — the [indisputable official demonstration](#). A British man showed REIM in 2013, but he was moved by a [double-decker bus](#) and had to touch it with his hand. With [spacetime engineering](#), I only need to “touch” my **potential future**. The fun part is just around the corner!☺

24 December 2023, 10:38 GMT