

Dear Publisher,

The book “New Aerospace Technologies” was published in Russia at first time in 2012, ISBN 978-5-7679-2224-6 and it was issued in new version with ISBN ISBN 978-5-7679-3883-4 in 2017

Author is Mr. Alexander V. Frolov, independent research scientist, former owner of Faraday Lab Ltd company, St.-Petersburg, Russia.

This interesting book presents various ways to create the movement of bodies, i.e changes of position of an object in space - time. The principles of active (non-reactive) thrusters are described in the book. New methods do not require reactive mass ejection outside the vehicle. Author presents his original four-dimensional (4-D) theory to disclose chronal force technology of transport. This 4-D force can be used for practical needs to accelerate or decelerate any processes in some area of space. In other words, this technology allow us to change rate (or speed) of existence of particles of matter in this area of space. Experiments of the author prove his theory that is based on understanding of time rate as function of volumetric energy density in some area of space. Propulsion force here is result of aether pressure gradient. This force is base of new transport technology.

Interesting aspect is 4-D resonances of natural elements, described by the author. Calculations are presented in the book. The resonance effects in space-time are important part of teleportation technology, so some aspects of teleportation are considered here.

Important calculations on “light speed” value are based on original work of the author. It was demonstrated with great mathematical accuracy the “light speed” is whole number, that is confirmation of discrete nature of our space-time design. It is important for space-time engineering calculations.

Content of the book in several words:

- Chapter 1. The reactive principle in special devices.
- Chapter 2. Wing in a closed air flow.
- Chapter 3. Analogy between the Magnus Effect and the Lorentz Force
- Chapter 4. Electrokinetic thrusters
- Chapter 5. Curvilinear body motion
- Chapter 6. Gyroscope of variable radius
- Chapter 7. Body Weight Compensation
- Chapter 8. Inertial drives
- Chapter 9. Precession of the gyroscope
- Chapter 10. Group of Investigation on Inertial-less Processes
- Chapter 11. Korovin's aether apparatus
- Chapter 12. Antigravity effects of some power generators
- Chapter 13. Pondemotor Effects
- Chapter 14. “Ponderolet” by Academician Ignatiev
- Chapter 15. The internal structure of the electric field
- Chapter 16. Thomas T. Brown’ Effect

Chapter 17. Frolov's Capacitor as electric drive
Chapter 18. Active Force Nanomaterial
Chapter 19. Dr. George Uspensky's Method
Chapter 20. Movement by means of internal forces
Chapter 21. Experiments on The Gravimagnetic field
Chapter 22. How to use "the time factor" in reaction-less drive
Chapter 23. Waves of "time density" by N. Kozyrev
Chapter 24. Gravity and Elastic Deformations
Chapter 25. Longitudinal Wave Structure
Chapter 26. Chronodynamics Experiments
Chapter 27. Chronal Motive Power
Chapter 28. Thermogravity
Chapter 29. De Broglie Waves of Matter
Chapter 30. Gravitational device made by Mr. Grebennikov
Chapter 31. Effect of shape
Chapter 32. Space-time structure
Chapter 33. Notion on the Chronal constant
Chapter 34. Four-dimensional resonance
Chapter 35. Four-dimensional hologram
Chapter 36. Calculation of the speed of light
Chapter 37. Time Machine. Experiments
Chapter 38. Teleportation Concept

There are 151 illustrations in the book, 66 formulas, 94 references, about 60,000 words (about 198 pages of A4 format in Russian edition of 2017).

The book is useful for technically minds, inventors and innovators, both for undergraduate and postgraduate students.

It is scientific popular view on modern situation in area of new aerospace technologies and high-dimensional experimental research.

Please contact me by email in the case of your interest to translate and publish it in English. I will happy to sign exclusive Agreement on publication of my book in your country.

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