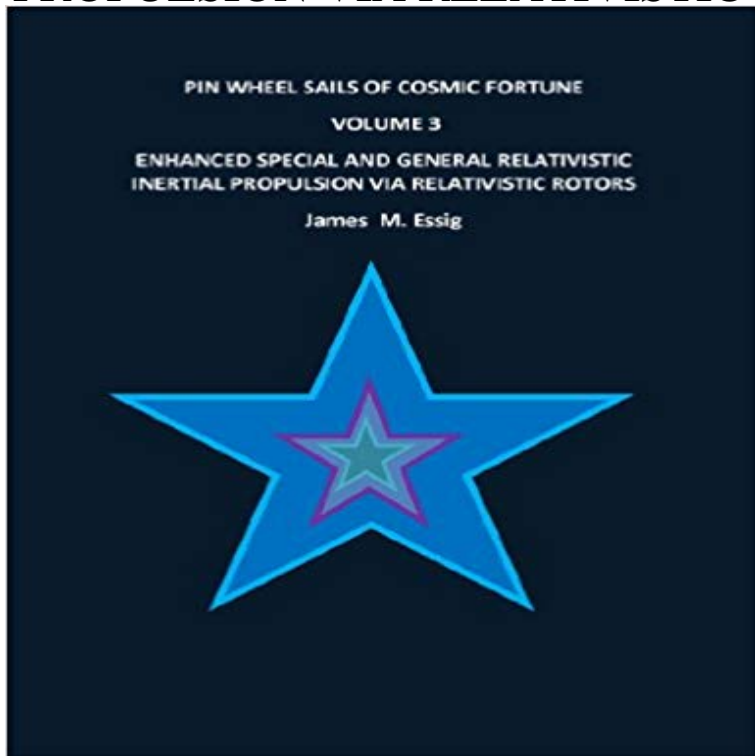


# PIN WHEEL SAILS OF COSMIC FORTUNE: VOLUME 3. ENHANCED SPECIAL AND GENERAL RELATIVISTIC INERTIAL PROPULSION VIA RELATIVISTIC ROTORS.



The concepts described in this book contain some of the following: General Relativity, Special Relativity, Newtonian Classical Electrodynamics, Relativistic Classical Electrodynamics, Solid State Physics, Classical Relativistic Rotational Mechanics, among other aspects of modern physics. Not much is said regarding Quantum-Electro-Dynamics and Quantum-Chromo-Dynamics except what is necessary to clarify and define the issues and problems to be solved. So, if you enjoy classical physics and its applications to manned interstellar travel, you are going to likely really enjoy this book. By reading this brief introduction to the proposed technologies, you will see how complicated the engineering will be to put all the pieces together and design and fly real star-ships based on the subject methods of propulsion. However, for me complication comes the sense of the whimsical. You will come to realize, if you have not already, that the behavior of intake and reactance particles, bosons and fermions alike, will need to be understood by species, kinetic energy spectrum, and momentum spectrum. It is even possible that the intake energies of the particles may need to be analyzed in real time for the space craft at a resolution as fine as micro-electron volts or less. A slight miscalculation of energy balances and power intake instabilities and the craft may be immediately ionized in a subatomic massive particle and hard gamma ray stew.

The electrically charged fermionic Standard Model species are assumed to include both matter and antimatter versions and composite particles formed thereof as well as Mirror Matter Model analogues although the distinctions are not specifically stated in the formulas. The sterile neutrinos are a proxy for Mirror Matter Model neutrinos. Both Standard Model and Mirror Matter Model neutrinos in matter and antimatter forms are included

in the relevant expressions herein although the distinctions are not specifically stated in the formulas. Mathematical scenarios for which the composition sum of translational spacecraft velocity, spacecraft rotor velocity in the spacecraft non-rotating reference frame, and background massive particle species are considered as potential means for greatly enhancing power intake.

Mathematical scenarios for which the composition sum of translational spacecraft velocity, spacecraft rotor velocity in the spacecraft non-rotating reference frame, and background massive particle species are considered as potential means for greatly enhancing power intake.

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