

ABSTRACT OF THE DISCLOSURE

A Large Mechanical Force from the Quantum Vacuum

NASA's Breakthrough Physics Propulsion Program concluded that we might someday use the momentum of the photons of the Quantum Vacuum to eliminate the cumbersome on-board reaction-mass and fuel of rockets. According to Stochastic Electrodynamics, the photons of a universal, self-existent Zero-Point Energy Field continuously impart their momentum to matter, physically causing the speed and positional uncertainties of subatomic particles, Einstein's Brownian Motion, Van der Waals Forces, and the anomalously energetic behavior of liquid helium. Like the moving part in any Casimir Force Experiment a Quantum-Thruster needs **not** to supply its own energy or reaction-mass because, it too, is accelerated by an external force, the radiation pressure of the photons of the Quantum Vacuum. Though bombarded uniformly from all directions, it experiences a net thrust because even completely identical photons impart twice as much momentum to its more-reflective side as to its more-absorbent, opposite side. Quantum-Thrusters are the consummate Prime Mover for anything we want to move and for all the clean energy we could ever want.