

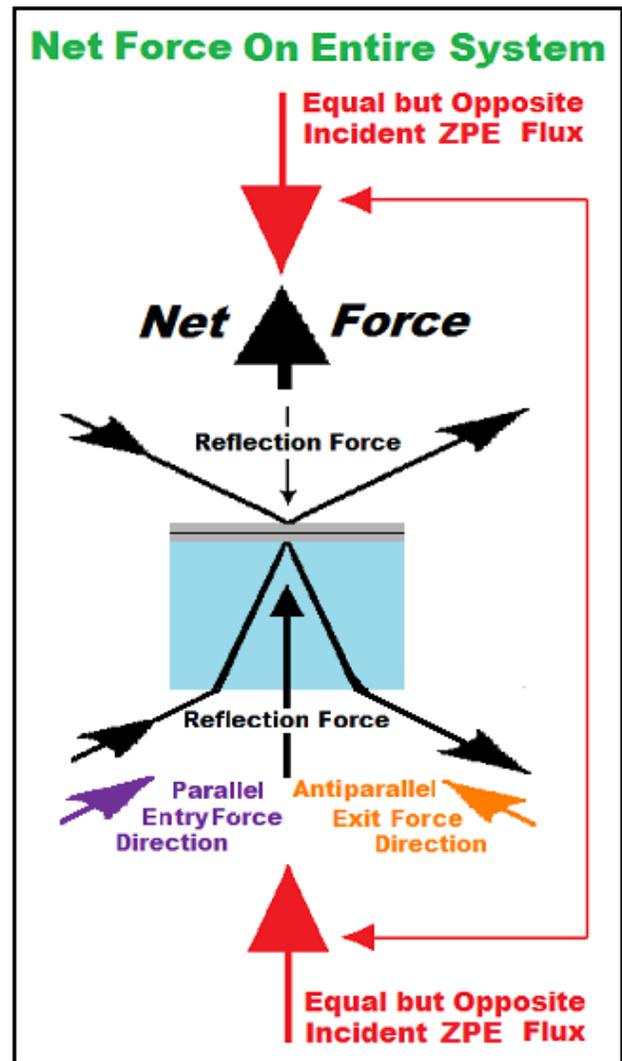
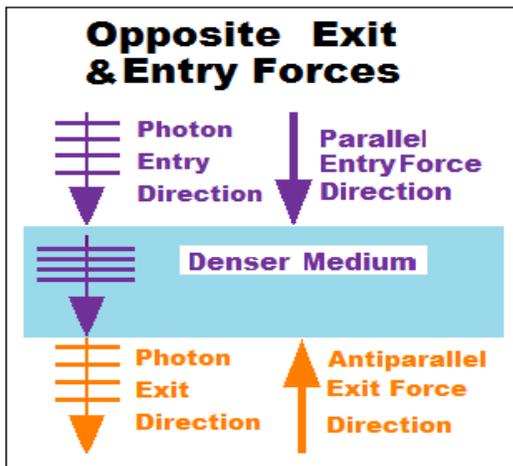
OPTICAL POWER & THRUST IMPARTING CASIMIR ACCELERATOR

A General Principle can never impeach the more-fundamental Principle upon which it is founded.

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Abstract:

Many scientists believe that so-called empty space is filled with a random, energetic electromagnetic radiation field that is comprised of every possible wavelength, called the Quantum Vacuum, the Electromagnetic Quantum Flux or the Zero-Point Energy Field, (ZPE.) App. 2 Two mirrors, Fig.1 connected back to back, will experience asymmetric light pressures from the symmetric electromagnetic radiation of the Quantum Vacuum because a refractive coating on the bottom side bends incident radiation to strike more vertically.^{01,02} The mirror also enables the same light to enter and leave the refractive material from the same side; therefore, the entry and exit refractive forces are still equal but they are no longer opposite; furthermore, this refractive force supplements the net reflection force so that a net force acts on the entire system.^{03,04} This proposal has been reconciled with the attributes of the Quantum Flux,^{Apx1} the Minkowski- and Abraham- views of Photon Momentum,^{Apx2} all Laws of Motion^{Apx3} and of Thermodynamics,^{Apx4} as well as conventional optical technology.^{Apx5} Every one of the four essential elements of this proposal have been separately verified by two or more Independent experiments.^{5,6,7,8}



- 1 R. V. Jones and J. C. S. Richards, Proc. Roy. Soc. A 221, 480 (1954).
- 2 R. V. Jones and B. Leslie, Proc. R. Soc. Lond. A 360, 347 (1978).
- 3 Cambell] et al. (2008) Campbell, G. K., Leanhardt, A. E., Mun, J., Boyd, M., Streed, E. W., Ketterle, W. & Pritchard, D. E. 2005 Photon recoil momentum in dispersive media. Phys. Rev. Lett. 94, 170403. <http://rsta.royalsocietypublishing.org/content/368/1914/927.full#sec-11>
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