

Creation of Negative Mass

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A mass is an electric dipole moment:

$$m = qd$$

So, if we charge a capacitor we generate a mass. When the dipole is neutral the mass is negative.

Using a supercapacitor: $C = 100\text{Farad}$; $V = 2.5\text{Volt}$

$$q = CV \quad \Leftrightarrow \quad m = CVd$$

The average distance d is: $d = 1 \times 10^{-4} m$ or greater

$$m = -25mg$$

So, a capacitor loses weight when charged.
This will be the future propulsion system.