

Monopole force experiment

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See the censored Unified Absolute Relativity Theory at:

www.wbabin.net/saraiva/saraiva305.pdf

www.wbabin.net/saraiva/saraiva306.pdf

www.wbabin.net/saraiva/saraiva307.pdf

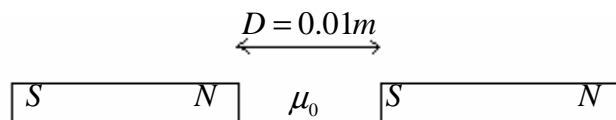
www.wbabin.net/saraiva/saraiva328.pdf

www.wbabin.net/stham/saraiva347.pdf

www.wbabin.net/stham/saraiva366.pdf

www.wbabin.net/stham/saraiva395.pdf

Force between two long magnets:



$$B = 0.12\text{T} ; \quad A = 10^{-4} \text{ m}^2 ; \quad F = 0.36\text{N}$$

$$q_m = BA = 1.2 \times 10^{-5} \text{ weber}$$

Force formula (we don't know the value n):

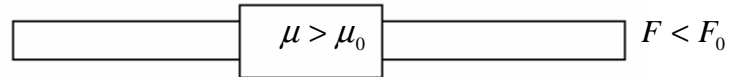
$$F = \frac{q_m^2}{n\mu_0 D^2}$$

$$n = \frac{q_m^2}{F\mu_0 D^2} = 3.18 = \pi \quad \Leftrightarrow \quad F = \frac{q_m^2}{\pi\mu_0 D^2}$$

Wrong formula:

$$F = \frac{\mu_0 p^2}{4\pi D^2} \quad \text{-- Magnetic pole strength doesn't exist.}$$

Force variation with permeability:



Electric force:

$$F_E = \frac{q_e^2}{4\pi\epsilon_0 R^2}$$

Magnetic force:

$$F_M = \frac{q_m^2}{\pi\mu_0 R^2}$$

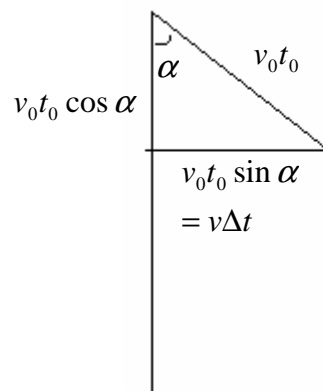
Electromagnetic force:

$$F_{ME} = \frac{q_m q_e}{2\pi\sqrt{\epsilon_0\mu_0} R^2}$$

$$\frac{F_M}{F_{ME}} = \frac{137}{2} ; \quad \frac{F_{ME}}{F_E} = \frac{137}{2} ; \quad \frac{F_M}{F_E} = \left(\frac{137}{2}\right)^2$$

Matter faster than light

The jet illusion doesn't explain the superluminal motion.



$$t_2 = t_0 + t_1 - \frac{v_0 t_0 \cos \alpha}{c}$$

$$\Delta t = t_2 - t_1 = t_0 - \frac{v_0 t_0 \cos \alpha}{c}$$

$$\begin{cases} \Delta t = t_0 - \frac{v_0 t_0 \cos \alpha}{c} \\ v \Delta t = v_0 t_0 \sin \alpha \end{cases} \Leftrightarrow v = \frac{v_0 \sin \alpha}{1 - \frac{v_0}{c} \cos \alpha}$$

$$v = \frac{nc \sin \alpha}{1 - n \cos \alpha} ; \quad \cos \alpha_{MX} = n$$

$$n = 0.9 \quad \Leftrightarrow \quad \alpha = 25.8^\circ \quad \Leftrightarrow \quad v = 2.1c$$

$$n = 0.5 \quad \Leftrightarrow \quad \alpha = 60^\circ \quad \Leftrightarrow \quad v = 0.6c$$

$$n = 1 \quad \Leftrightarrow \quad v = c \frac{\sin \alpha}{1 - \cos \alpha} = 9c$$

$$\Leftrightarrow \quad \alpha = 12.7^\circ$$

Active galaxy Messier 87:

$$v = 6c ; \quad \alpha = 43^\circ$$

$$6 = \frac{n \sin 43}{1 - n \cos 43} \quad \Leftrightarrow \quad v_0 = 1.2c$$