

Aristoteles の \vec{E}

$$M = T \times S$$

Galilei

$$M \sim T \times S \text{ (77 年 11 月 - 1687)}$$

Newton

Minkowski

Einstein

$\equiv T \times S$

Y. Aharonov & L. Susskind PR 158, 1207
(1967)

C. N. Yang, Integral Formalism
P. R. L., '74 8. 12

GL(4, R)

Gauge potential

Kodak Color Control Patches

