【Non Patent Literature 14】

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Summary of Invention

[0020]

The method of calculating potential energy in substances as can be seen in the formula below in [Math.1]. E as is defined here is the potential energy in a substance, T is time the substance passes under no gravity, m_1 is mass (at its initial value), c_1 is velocity of light (at its initial value), and Tk is time the substance has passed under no gravity.

[Math.1]

$$E=\sum_{K=1}^{T} m_1 c_1 \left(1-T_K/T\right)^2 \quad (1\leqq K\leqq T)$$

Further, the method of calculating potential energy in light as can be seen in the formula below in [Math.2]. E as is defined here is the potential energy in a substance, T is time the light passes under no gravity, m_1 is mass (at its initial value), c_1 is velocity of light (at its initial value),