

A Possible Interpretation on Distance-Dependent Effect of Gravitational Constant in Newton's Theory of Gravitation

QIAN Shang-Wu

Physics Department, Peking University, Beijing 100871, China
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Abstract: Based on the new metric theory of gravitation suggested by the author of this article, it gives a possible theoretical interpretation on the famous experiment done by D.R. Long in 1976, i.e. the distance-dependent effect of the gravitational constant in Newton's theory of gravitation.

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Key words: general relativity, metric theory of gravitation, vector graviton field

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