

On graviton emission

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Abstract

The emission of gravitons by matter is considered.

1 On graviton emission

By default, especially in weak gravitational fields, matter is an omnidirectional graviton emitter. If one is to gravitationally stimulate a mass, it will eventually turn that mass from an omnidirectional graviton emitter into a unidirectional graviton emitter. The strength of the gravitational interaction is increased by a factor of c^2 , because the gravitational field has been compactified from 3+1D down to 1+1D; the field has been focused into a beam, like one would expect from a GASER (the gravitational analogue of the electromagnetic LASER).

References

- [1] Fontana G. Possible Graviton Transitions and Gaser Action in High-Tc Superconductors – <https://arxiv.org/abs/cond-mat/0208276>
- [2] Fontana G. Design of a Quantum Source of High-Frequency Gravitational Waves (HFGW) and Test Methodology – <https://arxiv.org/abs/physics/0410022>

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