

Energy problem in the regular black hole spacetimes

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ABSTRACT

We discuss an important property of various known singularity-free models of black holes obtained in the framework of Einstein's gravity coupled to nonlinear electromagnetism — the equality of the total electromagnetic energy to the total mass [1]. We show that this property is characteristic of a large family of solutions of this type.

References

- [1] V.S. Manko and E. Ruiz, Phys. Lett. B **760** (2016) 759.