

Astrophysics 2015

Some Properties of Stationary Gravitational Fields

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Abstract

© 2015 Springer Science+Business Media New York The problem of stationary gravitational fields is still far from solved, since there is no exact general solution of the Einstein equations for stationary gravitational fields. This paper examines an approach to this problem employing isotropic coordinates which, in particular, make it possible to understand which simplifications yield the Kerr solution.

<http://dx.doi.org/10.1007/s10511-015-9393-6>

Keywords

isotropic coordinates, stationary gravitational field