

$$(8)$$

**SCHWARZSCHILD'S METRIC GENERATED BY A BODY OF MASS m_1
PERTURBED BY A MOVING BODY OF MASS m_2**

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$$(9)$$

Abstract. This paper approaches the translation of the coordinate axes of coordinates having the origin O' in the centre of a spherical body of mass m_2 in the reference point with the origin O of a spherical body of mass m_1 , the straight line OO' being the support of the axes $O'x'$ and Ox . This translation being necessary for studying the influence of the body with mass m_2 on that with mass m_1 . We assume that the body of mass m_2 moves compared to the body of mass m_1 at a radial speed V .

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