

Spin 2 Particle with Anomalous Magnetic Moment in External Electromagnetic and Gravitational Fields

O. A. Vasiluyk (Foreign) ¹,

V. V. Kisel ²,

V.M. Red'kov (Foreign) ³

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1, 3 Foreign

2 ФКСиС, Кафедра физики, Белорусский государственный университет информатики и радиоэлектроники

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Abstract: We study the 50-component theory for a massive spin 2 particle in presence of electromagnetic fields and any Riemannian space-time background. Such a generalized theory describes the particle with anomalous magnetic moment; in addition, there arises non-minimal interaction with the curved space-time background through Ricci and Riemann tensors.

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