

Change of spin motive force due to Rashba spin-orbit coupling

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Spin motive force is the spin version of the conventional electromotive force arising from the Faraday's law. In this work, we examine the effect of the Rashba spin-orbit coupling on the spin motive force and find that the spin-orbit coupling can increase the magnitude of the spin motive force considerably. Implications of the increased spin motive force are considered for various situations.