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Investigation of the Generalized Anderson Impurity Model

V.A. Moskalenko^{1,2}, L.A. Dohotaru³, D.F. Digor¹ and I.D. Cebotari¹

¹*Institute of Applied Physics, Moldova Academy of Sciences, Chisinau, Moldova*

²*BLTP, Joint Institute for Nuclear Research, Dubna, Russia*

³*Technical University of Moldova, Chisinau, Moldova*

The new canonical transformation was proposed for generalized Anderson impurity model and proved appearance of ordinary Anderson impurity model with the external magnetic field. The Dyson type equations for one-particle propagators of conduction and impurity electrons in the normal state of the system in the absence of the magnetic field have been established.