

## ELECTRONIC STRUCTURE OF URuGa<sub>5</sub> AND UIrGa<sub>5</sub>

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As a part of a systematic study of the uranium isomorphic ternaries UTGa<sub>5</sub> with transition metals results of calculations of the electronic structure for T = Ru and Ir are presented. The compounds crystallize in the HoCoGa<sub>5</sub>-type structure, space group P4/mmm, and (except for T = Ni, Pd and Pt) are not magnetically ordered [1]. The electronic structure was calculated by the full-potential LMTO method [2]. General features of the calculated densities of states show similarities to the ones for UCoGa<sub>5</sub> [3].

[1] Yu.N. Grin, P.Rogl and K. Hiebl, *J. Less-Common Metals*, **121**, 497 (1986)

[2] S.Y. Savrasov, *Phys. Rev.* **B 54**, 16 470 (1996)

[3] R.Troć et al., *Phys. Rev.* **B 70**, 1 (2004)