

**substance: boron compounds with group VIII elements**  
**property: properties of boron-iridium compounds**

Constitution diagrams of the binary Ir-B system in [81I].

Superconductivity, magnetism and metastability of ternary iridium borides [79K].

**IrB<sub>0.9</sub>**

Crystalline structure [81S]

**IrB<sub>1.15</sub>**

Metallic?; preparation [75S], crystalline structure [75S, 77L], electrical conductivity [75S]

**IrB<sub>1.35</sub>**

Preparation [75S], crystalline structure [75S]

**IrB<sub>3-x</sub>**

Crystalline structure [77L]

## References:

- 75S Samsonov, G. V., Serebryakova, T. I., Neronov, V. A.: Boridy, Moskva Atomizdat, 1975.
- 77B Berezin, A. A., Golikova, O. A., Zaitsev, V. R., Kazanin, M. M., Orlov, V. M., Tkalenko, E. N., in: Boron and Refractory Borides, (Matkovich V. 1., ed.) Springer: Berlin, Heidelberg, New York 1977, p. 52.
- 77L Lundström, T.: see [77B1], p. 351.
- 79K Ku, H.C., Matthias., B.T., Barz, H.: Solid State Commun. 32 (1979) 937.
- 81A Armstrong, D. R.: Proc. 7th Int. Symp. Boron, Borides and Related Compounds. Uppsala, Sweden, 1981; spec. issue of J. Less-Common Met. 82 (1981) 357.
- 81I Ipsen, H., Rogl, P.: J. Less-Common Met. 82 (1981) 363.
- 81S Schwetz, K. A., Reinmuth, K., Lipp, A.: Radex-Rundschau, 1981, 568.
- 81W Werheit, H., de Groot, K., Malkemper, W.: see [81A], p. 153.