

INFLUENCE OF PECULIARITIES
OF 3d-METALS ON THE VALENCE
ZONE STRUCTURE IN TERNARY
SILICIDES OF RARE-EARTH METALS

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S u m m a r y

X-ray emission *K*- and *L*-bands of 3*d*-metals and silicon are obtained and combined on a common energy scale. This allows us to establish the structure of the valence zone of the studied compounds. The membership of the given intermetallides to a single structure type enables to reveal the influence of 3*d*-metals on the electronic structure of these compounds. The interrelation of a hybridization degree of wave functions of 3*d*-metals and silicon with values of the effective magnetic moments, which are localized at atoms of transition elements of the iron's group, is observed.