

ABOUT BASIC
AND SUBSIDIARY ATOM PARAMETERS.
1. ATOM NEW COMPLEX PARAMETERS

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Our investigations have resulted in new atom complex parameters $R_F = r \Sigma I / N$ and $R_G = R_F / \nu$ called by us Fersman and Goldshmidt. r - a radius of an ion, ΣI - a summary potential of ionization with maximum valency ν , N - an element serial number in the periodic system. We have proved that the density of metals is expressed through these parameters and it can be determined by equations with the error estimation of not more than 0.5%. We make an attempt of explaining the polymorphous transformation of tin.