On Interpretation of Temperature Measurements by Contact Methods in Multicomponent Reacting Plasma and Gases.

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Both the assumptions which are at the basis of the commonly employed interpretation of temperature measurements by contact methods and also the limits of the interpretation are treated.

Some aspects of the problems of application of the contact methods to non-equilibrium reacting gases and low-temperature plasma and the possibility of interpretation of the data obtained by the contact methods are considered on the basis of the author's earlier ideas[I].

Gases and low-temperature plasma in which there are particles with non-equilibrium energy distributions on inner degrees of freedom, etc. are studied.

(I. Collection "Physics, Technics and Application of Low-Temperature Plasma" (Collect. of Transactions of IV All-Union Conf. on Physics and Generators of Low-Temp.Plasma), Alma-Ata (USSR) 1970, p.133.

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