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Multiphase open phase processes differential equations(Article)(Открытый доступ)

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Просмотр дополнительных организаций

Краткое описание Просмотр пристатейных ссылок (18)

The thermodynamic approach for the description of multiphase open phase processes is developed based on van der Waals equation in the metrics of Gibbs and incomplete Gibbs potentials. Examples of thermodynamic modeling of the multiphase and multicomponent A3B5 systems (In-Ga-As-Sb and In-P-As-Sb) and Na^+ , K^+ , Mg^{2+} , Ca^{2+} // Cl^- , SO_4^{2-} - H_2O water-salt system are presented. Topological isomorphism of different type phase diagrams is demonstrated. © 2019 by the authors.