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Dimension Reduction Method in Thermodynamics of Multireaction Systems*
Residual Properties, Property Changes of Mixing and Excess Properties Relations

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摘要 Based on the fundamental thermodynamic principle the relationships of the residual properties, the property changes of mixing and the excess properties between the hypothetical solution of unreacted independent species and the equilibrated solution of actual species have been established. The hypothetical solution provides a way of reducing the dimensionality of problem and simplifying the analysis.

关键词 [thermodynamics](#) [phase equilibrium](#) [multireaction](#)

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Dimension Reduction Method in Thermodynamics of Multireaction Systems*
Residual Properties, Property Changes of Mixing and Excess Properties Relations

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Key words [thermodynamics](#); [phase equilibrium](#); [multireaction](#)

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