

Erratum to: Dimension of the Gibbs function topological manifold: 1. Graph representation of the thermodynamic equilibrium state

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Unfortunately, there are some errors in Fig. 4 and Table 1 of the original publication. It has been corrected with this erratum.

The revised Fig. 4 and Table 1 are given below.

The online version of the original article can be found under doi:[10.1007/s10910-014-0439-5](https://doi.org/10.1007/s10910-014-0439-5).

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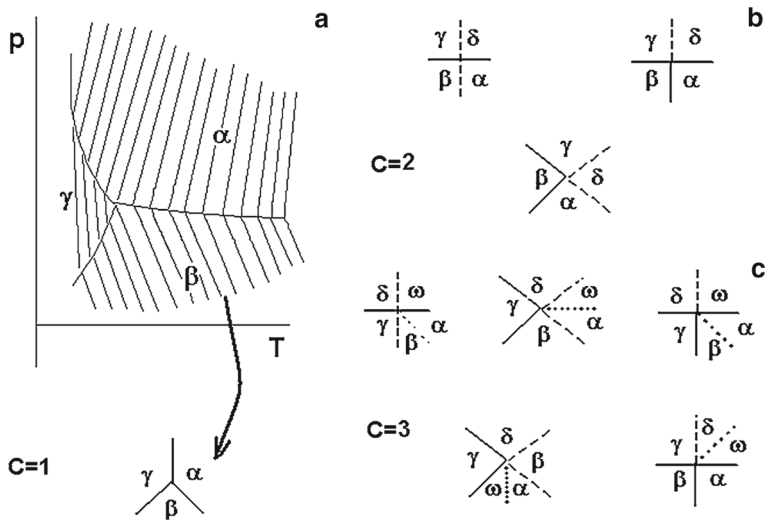


Fig. 4 Invariant state graphs for systems with $C = 1, 2,$ and 3 independent components. Component A is marked with a *continuous line*, component B is marked with a *dashed line*, component C is marked with a *dotted line*, and component D is marked with a *dashed-dotted line*. Individual phases are marked with *Greek letters*. The composition of a given phase is marked with the *lines* of individual components adjacent to the phase

Table 1 State graphs for moderately complex systems, i.e., those with C no greater than 4. The description under Fig. 4 shows individual independent components and their corresponding lines. The values of the degrees of freedom can be found in column 1 of the table. Each state graph for systems with $C = 4$ that will be used in the further part of this publication is marked with an identifying symbols. Description of the components and the phase is the same as in Fig. 5

| $f \backslash C$ | 1 | 2 | 3 | 4 |
|------------------|---|--|--|----|
| 0 | | $\frac{\gamma}{\beta} \frac{\delta}{\alpha}$ | $\frac{\delta}{\gamma} \frac{\omega}{\beta} \frac{\alpha}{\alpha}$ | |
| 1 | | | | 1 |
| 2 | | | | 6 |
| 3 | | | | 12 |
| 4 | | | | |
| 5 | | | | |