Ge-V (Germanium-Vanadium)

H. Okamoto

[2009Oka] introduced the Ge-V phase diagram calculated by [2008Wan] as a possible alternative of the Ge-V phase diagram assessed by [1989Smi], which appeared in [Massalski2].

However, [2011Yua] found that the thermodynamic model used by [2008Wan] causes the occurrence of an unlikely inversed miscibility gap in the liquid phase at high temperatures. Figure 1 shows the Ge-V phase diagram recalculated by [2011Yua]. Additional experimental phase boundary data measured by these authors are in good agreement with the calculated phase diagram.

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Fig. 1 Ge-V phase diagram