

Gd-Y (Gadolinium-Yttrium)

H. Okamoto

The Gd-Y phase diagram in [Massalski2] was redrawn from [1983Gsc]. The phase boundaries were drawn qualitatively.

Figure 1 shows the Gd-Y phase diagram derived by thermodynamic modeling by [2006Guo]. This phase diagram is expected to represent the equilibrium state of the Gd-Y system better than that of [1983Gsc].

References

- 1983Gsc:** K.A. Gschneidner, Jr. and F.W. Calderwood, The Gd-Y (Gadolinium-Yttrium) System, *Bull. Alloy Phase Diagrams*, 1983, 4(2), p 167-168
- 2006Guo:** C. Guo, Z. Du, and C. Li, A Thermodynamic Description of the Gd-Mg-Y System, *Proceedings of the 13th National Symposium on Phase Diagrams, China-Japan Joint Symposium on Phase Diagrams, Materials Design and Their Applications*, Xiamen, China, 2006, p 103-106; *Calphad*, 2007, 31(1), p 75-88

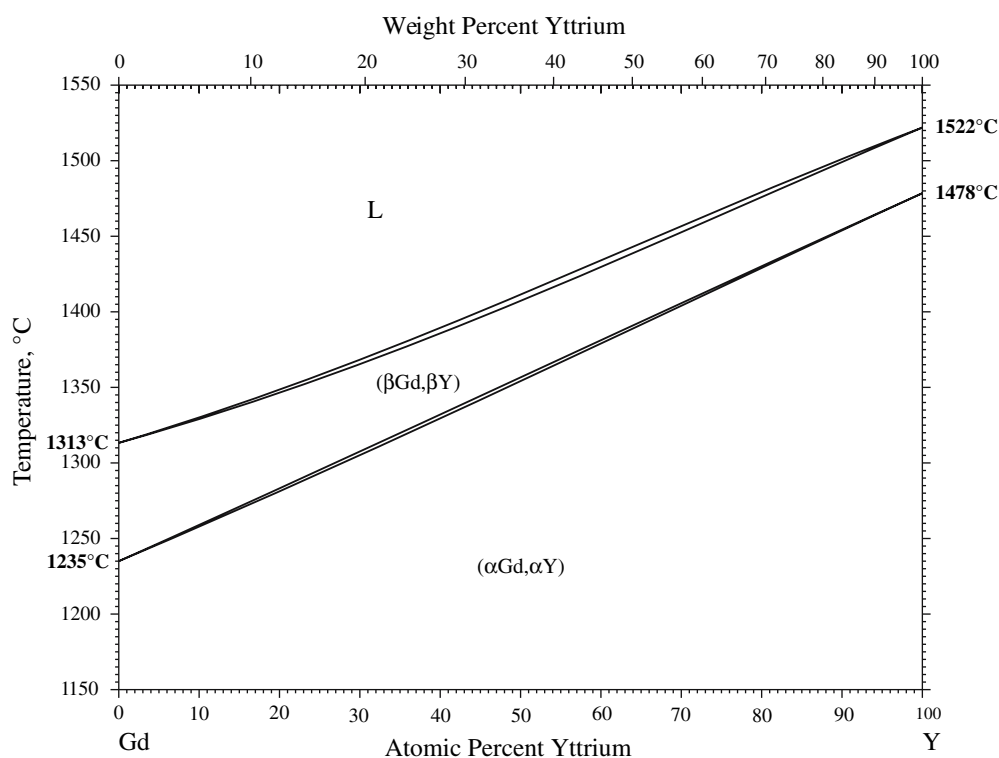


Fig. 1 Gd-Y phase diagram