

Fe-Ga (Iron-Gallium)

H. Okamoto

The Fe-Ga phase diagram in [Massalski2] was adopted from [1990Oka]. (A wrong figure was shown in the first print of [Massalski2].)

[2002Ike] investigated the equilibria among (αFe) , α' , α'' , $\beta\text{Fe}_3\text{Ga}$, and $\alpha\text{Fe}_3\text{Ga}$ by means of transmission and scanning electron microscopy and energy dispersion spectroscopy. Figure 1 shows the Fe-Ga phase diagram of [1990Oka] modified in the range 10-35 at.% Ga according to [2002Ike].

References

- 1990Oka:** H. Okamoto: "The Fe-Ga (Iron-Gallium) System," *Bull. Alloy Phase Diagrams*, 1990, 11(6), pp. 576-81.
- 2002Ike:** O. Ikeda, R. Kainuma, I. Ohnuma, K. Fukamichi, and K. Ishida: "Phase Equilibria and Stability of Ordered b.c.c. Phases in the Fe-Rich Portion of the Fe-Ga System," *J. Alloys Compd.*, 2002, 347, pp. 198-205.

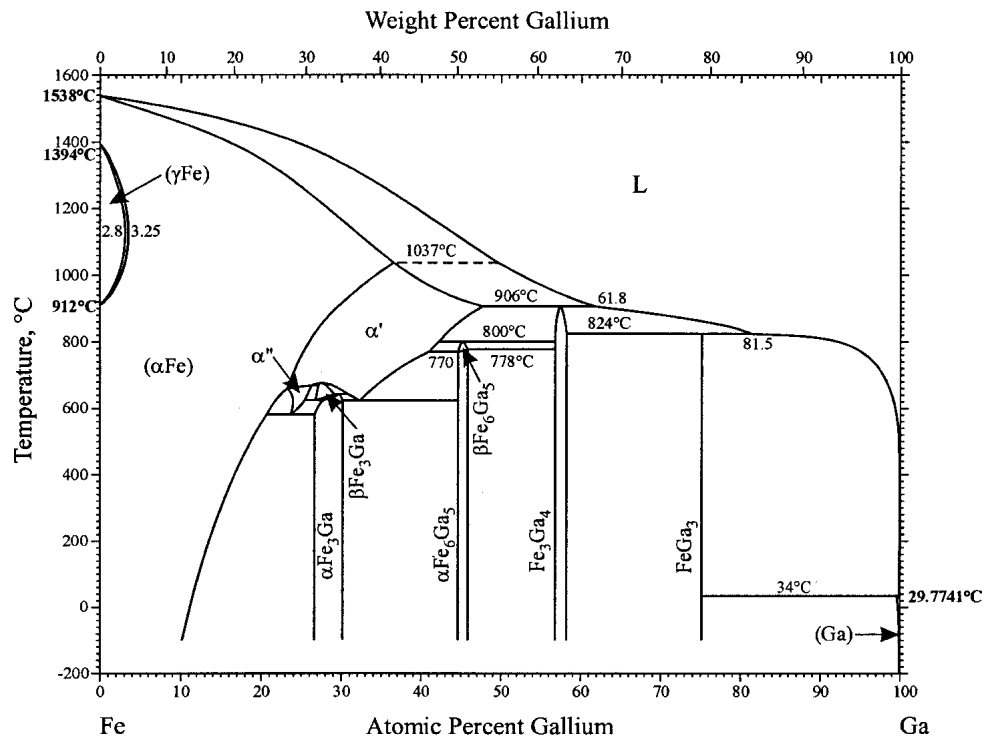


Fig. 1 Fe-Ga phase diagram