Fe-Sc (Iron-Scandium)

H. Okamoto

The Fe-Sc phase diagram in [Massalski2] was redrawn from [1982Kub] who accepted the primary features of [1969Nau]. However, [1993Oka] preferred the Fe-Sc phase diagram reported by [1978Bod] by considering thermodynamically unlikely features appeared in the phase diagrams of both [1969Nau] and [1978Bod].

Figure 1 shows the Fe-Sc phase diagram obtained by thermodynamic assessment by [2008Liu]. The phase diagram of [1993Oka] has been reproduced within the uncertainty limit of experimental data.

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Fig. 1 Fe-Sc phase diagram