

# Si-Yb (Silicon-Ytterbium)

H. Okamoto

The Si-Yb phase diagram in [Massalski2] was updated by [2003Oka] based on the work of [2003Pal].

[2005Bru] assessed the Si-Yb system thermodynamically based on [2002Gry], [2003Bru], and [2003Pal]. The result is shown in Fig. 1. Apparently, [2005Bru] (the same group of authors as [2003Pal]) supersedes [2003Pal].

## References

**2002Gry:** A. Grytsiv, D. Kaczorowski, A. Leithe-Jasper, V.H. Tran, A. Pikul, P. Rogl, M. Potel, H. Noël, M. Bohn, and T. Velikanova, On the System Silicon-Ytterbium: Constitution,

Crystal Chemistry, and Physical Properties, *J. Solid State Chem.*, 2002, **163**, p 178-185

**2003Bru:** S. Brutti, G. Balducci, A. Ciccio, G. Gigli, P. Manfrinetti, and A. Palenzona, Thermochemistry of Ytterbium Silicides, *Intermetallics*, 2003, **11**, p 1153-1159

**2003Oka:** H. Okamoto, Si-Yb (Silicon-Ytterbium), *J. Phase Equilibria*, 2003, **24**(6), p 583

**2003Pal:** A. Palenzona, P. Manfrinetti, S. Brutti, and G. Balducci, The Phase Diagram of the Yb-Si System, *J. Alloys Compd.*, 2003, **348**, p 100-104

**2005Bru:** S. Brutti, G. Balducci, A. Ciccio, and G. Gigli, Thermodynamic Assessment of the Yb-Si System, *Calphad*, 2005, **29**(3), p 254-261

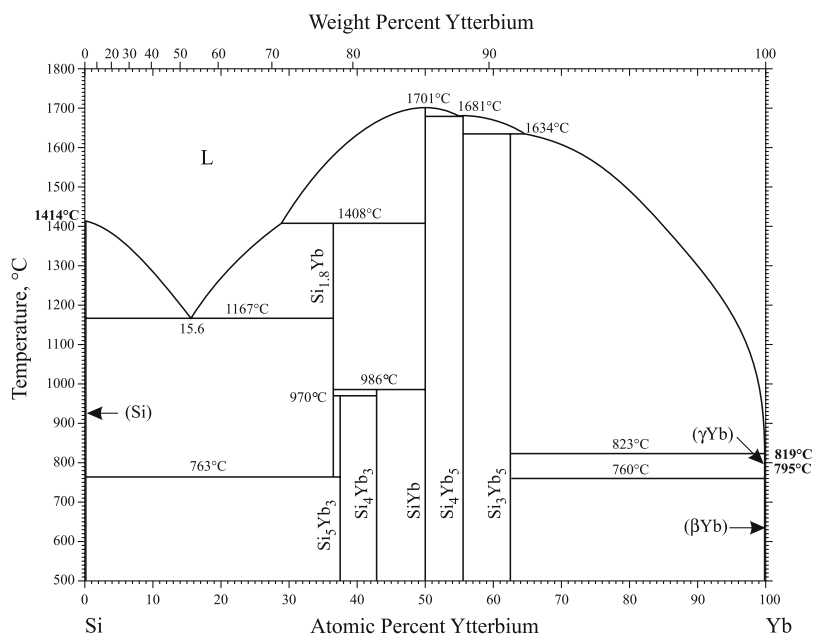


Fig. 1 Si-Yb phase diagram