

Co-La (Cobalt-Lanthanum)

H. Okamoto

The Co-La phase diagram in [Massalski2] was redrawn from [1974Ray], which was based on [1967Bus] with an additional phase $\text{Co}_{19}\text{La}_5$. This additional phase was not shown in a partial phase diagram (0-30 at.% La) reported by [1974Kha].

Figure 1 shows the Co-La phase diagram assessed by [2008Wan]. The phase diagrams of [1967Bus] and [1974Ray] were used as the basis of this evaluation.

1974Kha: Y. Khan, Intermetallic Compounds in the Cobalt-rich Part of the R-Cobalt Systems (R = Ce, La, Ce-La), *J. Less-Common Met.*, 1974, **34**, p 191-200

1974Ray: A.E. Ray, *Cobalt*, 1974, (1), p 13-20, as quoted in [Massalski2]

2008Wan: C.P. Wang, J. Wang, X.J. Liu, I. Ohnuma, R. Kainuma, and K. Ishida, Thermodynamic Assessment of the Co-La and Mo-La Systems, *J. Alloys Compd.*, 2008, **453**, p 174-179

References

1967Bus: K.H.J. Buschow and W.A.J.J. Velge, Phase Relations and Intermetallic Compounds in the Lanthanum-Cobalt System, *J. Less-Common Met.*, 1967, **13**, p 11-17

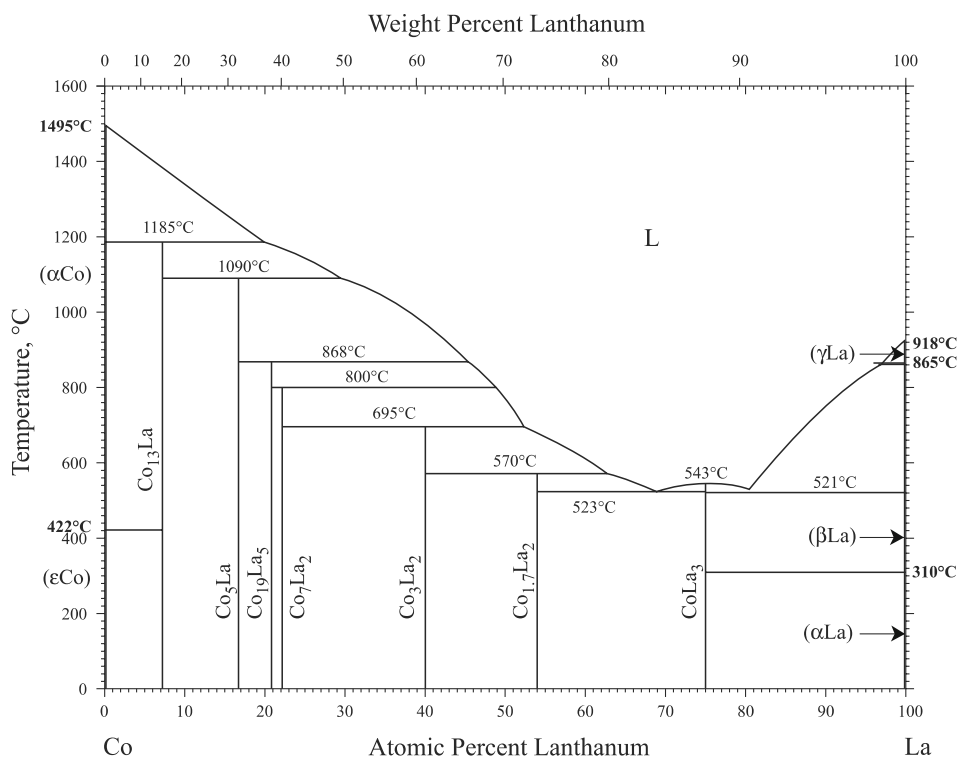


Fig. 1 Co-La phase diagram