

O-Zr (Oxygen-Zirconium)

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The Zr-O phase diagram in [Massalski2] was adopted from the assessment performed by [1986Abr].

Thermodynamic modeling of this system was attempted by [2001Lia], [2002Arr], [2004Che1], [2004Che2], and [2004Wan]. Among these, the work of [2004Wan] was most comprehensive. The Zr-O phase diagram calculated by [2004Wan] is shown with solid lines in Fig. 1.

Dashed lines in Fig. 1 show ordered phases and stacking variants of (α Zr), as reported by [1986Abr]. These phases were not taken into account in all of the thermodynamic models described above.

References

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- 2002Arr:** R. Arroyave, L. Kaufman, and T.W. Eagar, Thermodynamic Modeling of the Zr-O System, *Calphad*, 2002, **26**(1), p 95-118
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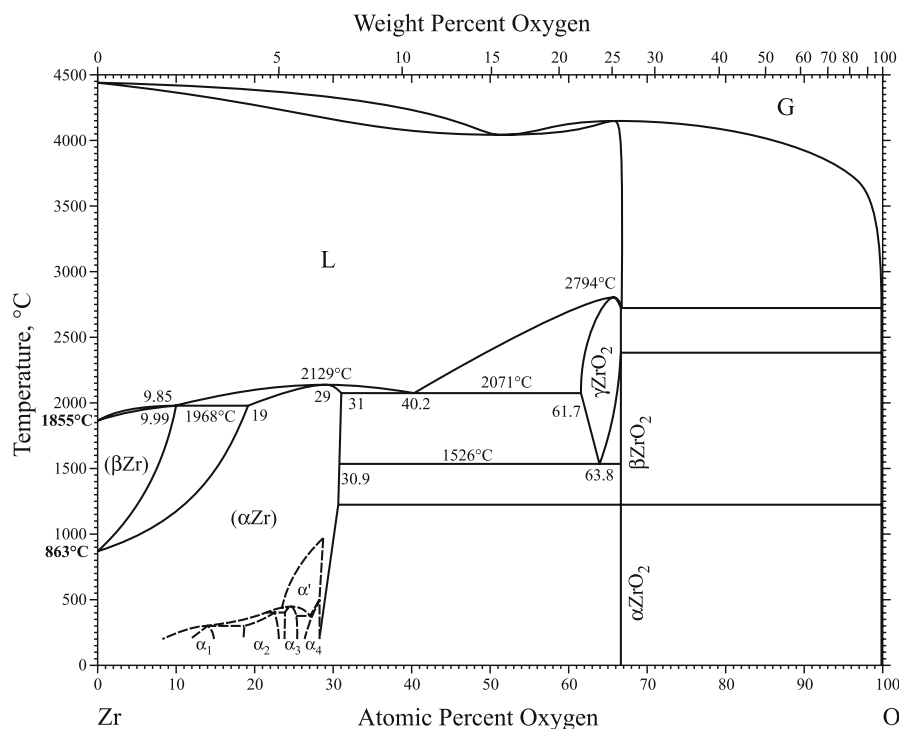


Fig. 1 Zr-O phase diagram