

Au – Gd (Gold – Gadolinium)

Thermodynamics

Integral enthalpies of mixing have been published by Ivanov et al. [92 Iva1], as mentioned by Ivanov et al. [92 Iva2]. From the latter source information has been obtained to draw Fig. 1. See [93 Wit], who also have determined ΔH^L . The results are compatible to those shown in Fig. 1.

Using the Knudsen effusion method [96 Iva] have determined the thermodynamic activities of liquid Au-Gd alloys. The results are plotted in Fig. 2.

Figures

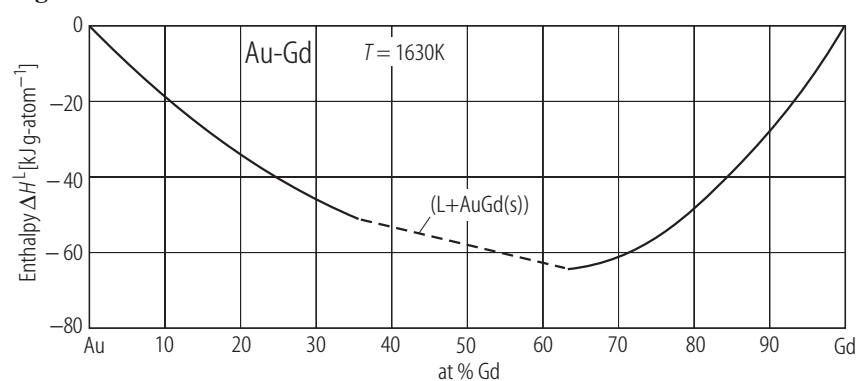


Fig. 1. Au–Gd. Enthalpies of mixing of liquid alloys [92 Iva2].

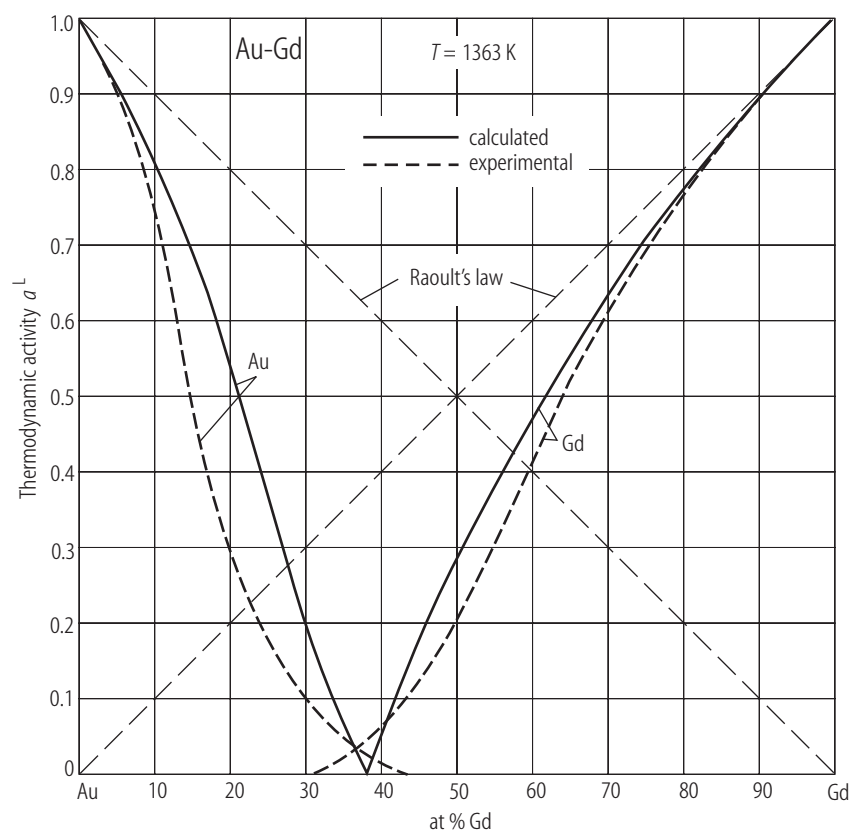


Fig. 2. Au–Gd. Thermodynamic activities of liquid Au-Gd alloys determined by Knudsen effusion method [96 Iva].

References

- [92 Iva 1] Ivanov, M.I., Witusiewicz V.T.: J. Alloys and Comp. **186** (1992) 255
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[93 Wit] Witusiewicz, V.T., Ivanov, M.I.: J. Alloys and Comp. **200** (1993) 177
[96 Iva] Ivanov, M.I., Berezutski, V.V.: J. Alloys and Comp. **234** (1996) 119