

## Ag – Zn (Silver – Zinc)

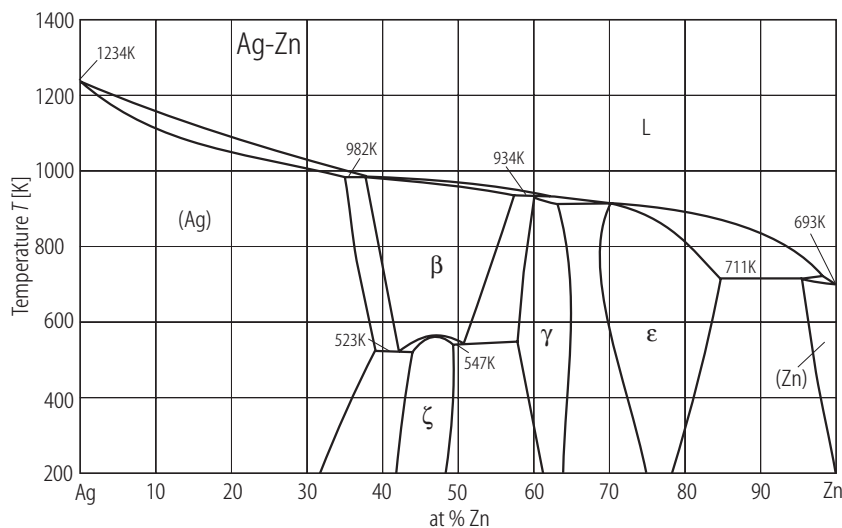
### Phase diagram

Recently, Ohtani et al. [99 Oht] have calculated on the basis of relevant thermodynamic data the phase equilibria. The thus obtained phase diagram is shown in Fig. 1.

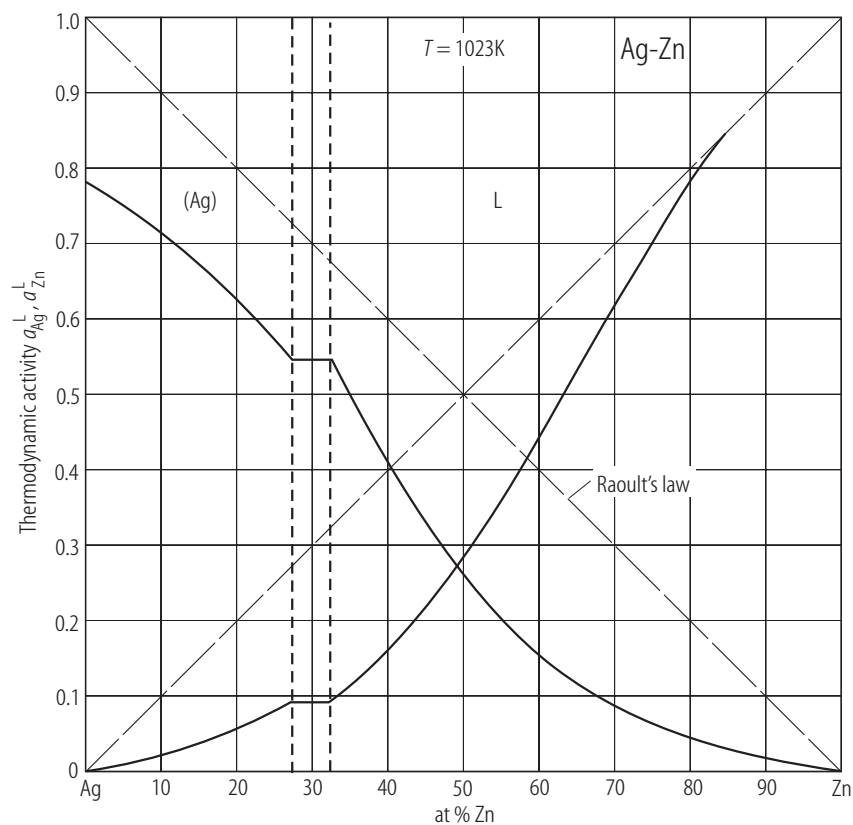
### Thermodynamics

Optimized thermodynamic activities in liquid alloys obtained as a by-product of the modelling mentioned above, are plotted in Fig. 2. For solid alloys thermodynamic activities resulted as shown in Fig. 3. At least enthalpies of formation of solid alloys could be obtained, too. They are plotted as a function of concentration in Fig. 4.

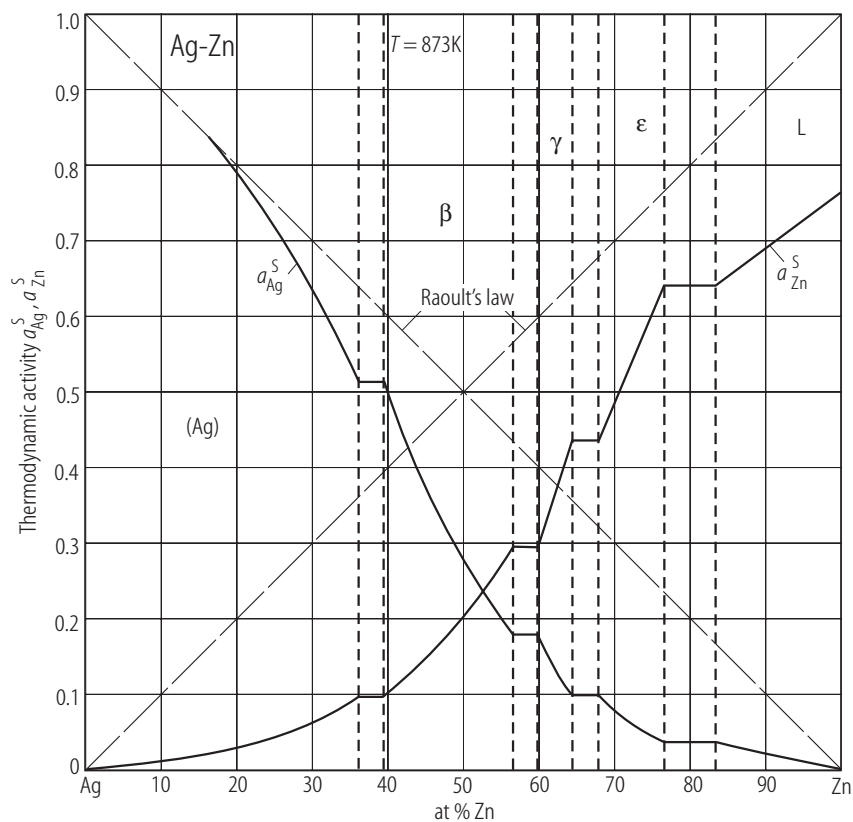
### Figures



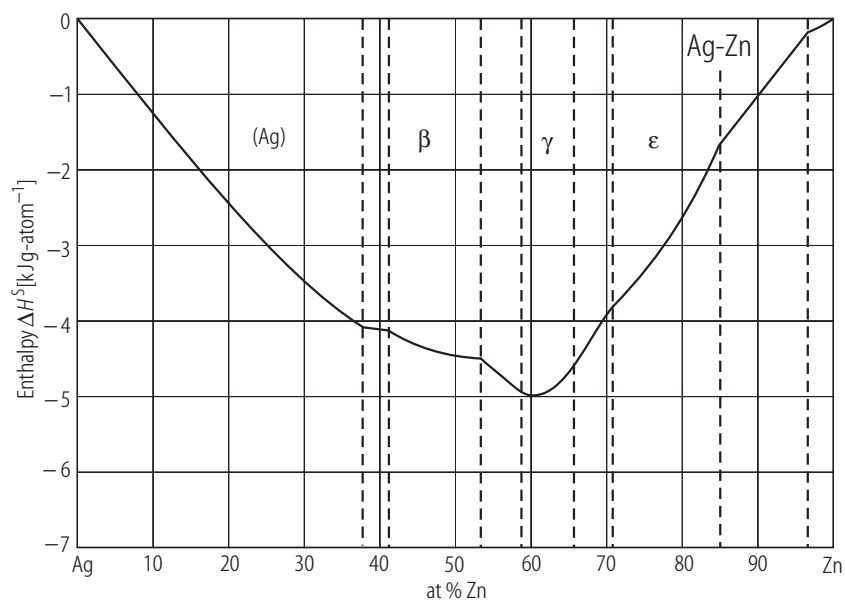
**Fig. 1.** Ag-Zn. Calculated phase diagram [99 Oht].



**Fig. 2. Ag-Zn.** Optimized thermodynamic activities in liquid alloys [99 Oht].



**Fig. 3. Ag-Zn.** Optimized thermodynamic activities of solid alloys [99 Oht].



**Fig. 4. Ag-Zn.** Enthalpies of formation of solid alloys [99 Oht].

#### Reference

[99 Oht] Ohtani, H., Miyashita M., Ishida, K.: J. Japn. Inst. Met. **63** (1999) 685