

Thermodynamic evaluation sulphur-absorption ability slag system $\text{CaO} - \text{CaF}_2$

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Abstract

In the framework of the generalized theory of "regular" ionic solutions designed triple phase diagram of $\text{CaO} - \text{CaF}_2 - \text{CaS}$, its isothermal (1500-1700 °C) in a cross-section of two-phase equilibrium melt – CaO (s) and the melt – CaS (s). Estimated sulfide capacity of synthetic slag based on $\text{CaO} - \text{CaF}_2$.