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Thermodynamic evaluation sulphur-absorption ability slag system CaO – CaF₂

© Svetlana E. Pratskova,⁺ and Alexander G. Tyurin*

Analytical and Physical Chemistry Division. Chelyabinsk State University. Br. Kashirinykh St., 129. Chelvabinsk, 454136. Russia. Phone: +7 (351) 799-70-69. E-mail: se pratskova@mail.ru.

*Supervising author; ⁺Corresponding author

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Abstract

In the framework of the generalized theory of "regular" ionic solutions designed triple phase diagram of $CaO - CaF_2 - CaS$, 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 CaO – CaF₂.