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The study of stable triangles KCl–LiF–K₂MoO₄ and KCl–LiF–Li₂MoO₄ of the four-component reciprocal system of fluorides, chlorides and lithium molybdate and potassium

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Abstract

Partition of the quaternary system Li, $K \parallel F$, Cl, MoO_4 was performed using the graph theory. Eutectic points in the stable triangles KCl-LiF- K_2MoO_4 and KCl-LiF-Li₂ MoO_4 are calculated. Experimental method DTA was used to reveal the characteristics of ternary eutectic points, the field of crystallization of phases were delineated, the phase response for each element of the phase diagram was described.