

## Phase complex of ternary system Li||F,VO<sub>3</sub>,WO<sub>4</sub>

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### Abstract

In this work, binary system (LiVO<sub>3</sub>)<sub>2</sub>-Li<sub>2</sub>WO<sub>4</sub> and ternary system (LiF)<sub>2</sub>-(LiVO<sub>3</sub>)<sub>2</sub>-Li<sub>2</sub>WO<sub>4</sub> have been explored for the first time. In this systems we have found compounds ratios and temperatures of binary and ternary eutectics. The feature of ternary eutectic is poor content of lithium fluoride. Based on experimental data we have constructed 3D computer model in KOMPAS-3D software, and we have made polythermal & isothermal sections of the system based on it.