

FEATURES OF ELECTRIC AND
PHOTOELECTRIC PROPERTIES OF SOLID
SOLUTIONS OF A SYSTEM $\text{CuInS}_2 - \text{CdS}$

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S u m m a r y

The electric, thermoelectric, and photoelectric properties of sintered polycrystalline samples of system $\text{CuInS}_2 - \text{CdS}$ depending on the percentage of components of the alloy are researched. Models of electric and optical active defective centers in the researched alloys are proposed. It is ascertained that alloys containing 40 – 50 mol. % of CdS have a great numerical value of thermoelectromotive force ($\alpha \approx \approx 1200 \mu\text{V}/\text{K}$ at 293K) and, in this aspect, they are promising materials of thermoelectric technics.