

ELECTRICAL AND OPTICAL PROPERTIES
OF SOLID SOLUTIONS $\text{Cu}_{1-x}\text{Zn}_x\text{InSe}_2$ ($x = 0.05-0.2$)

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S u m m a r y

The temperature dependences of electroconductivity and the optical absorption edge in solid solutions of the system $\text{CuInSe}_2\text{-ZnIn}_2\text{Se}_4$ belonging to semiconductors with n -conductivity have been studied. The content dependence of the energy gap width in the solutions concerned has been found. The concentration dependences of the electromotive force coefficient, electron concentration, and Hall mobility of charge carriers have been determined.