# EFFECT OF ANNEALING TEMPERATURE AND CONCENTRATION ON MAGNETIC ELECTRICAL PROPERTIES OF THIN FILMS $Fe_x Ge_{1-x}$ $(0.05 \leq x \leq 0.79)$

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S u m m a r y

The temperature and concentration dependences of electroconductivity, magnetoresistance, and magnetic susceptibility of vacuum deposited thin films $Fe_x Ge_{1-x}$ $(0.05 \leq x \leq 0.79)$ are investigated in the temperature range from 77 to 300 K. Magnetic susceptibility exhibits a strong increase when temperature decreases up to 77 K and is described by the modified Curie ¯ Weiss law. The correlation between the structure, electrophysical parameters, ans resulting magnetic properties is revealed.