

EMF AND THE PHOTOVOLTAIC EFFECT
IN $\text{Ge}_2\text{S}_3 + \text{Al}(\text{Bi})$ FILMS WITH VARIABLE
COMPOSITION

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S u m m a r y

Films of changeable composition (with gradient of the concentration of their components) on the basis of Ge_2S_3 and $\text{Al}(\text{Bi})$ are obtained. The technology of combined evaporation from two evaporators was used. Results of the study of emf discovered and the photovoltaic effect are given. The polarity of emf is determined by the component included into the matrix of Ge_2S_3 , and its magnitude depends on the profile of the $\text{Bi}(\text{Al})$ distribution, temperature, and pressure. The possibility of realization of the integral (chemical and electrofield) mechanism of emf appearance is discussed.