

METHOD OF STUDYING THE TENSORESISTIVE
PROPERTIES OF CHROME FILMS
AT RELATIVELY SMALL AND LARGE
DEFORMATIONS

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S u m m a r y

An experimental method for studying the tensorresistive properties of thin Cr films in the range of elastic and plastic deformations has been developed. The method allows also diagnosing the start and degree of the cracking of a film in the course of deformation. Researches of the tensorresistive effect in a wide range of deformation had allowed the contribution of the internal size effect to the strain sensitivity factor to be determined. The dependence of the film resistance on time, which is connected to microplasticity, has been revealed at the opening intervals of the deformation curves.