

## Features of the electroerosion processes of contact electroplating based on binary alloys with tungsten and molybdenum

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*The paper discusses the features of the processes of electromechanical erosion of contact coatings based on Co-W, Ni-W and Ni-Mo alloys during their tests in the switching mode of a resistive load at a current of 1 A, an operating voltage of 12 V, and a frequency of 10 Hz. The dynamics of changes in the contact electrical resistance of experimental contact groups with the studied types of coatings is analyzed. The relationship between the morphological characteristics characterizing the development and regularity of the microrelief structure of contact coatings based on the studied alloys, the magnitude of their contact resistance, as well as the intensity of erosive wear during the switching cycle has been established.*

**Keywords:** contact coating, electrodeposition, refractory metal alloys, microrelief, contact resistance, actual contact area, electrical erosion.

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