NEW MATHEMATICAL MODEL OF ACCOUNT OF THE CHARACTERISTICS OF FRICTIONAL UNITS

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ABSTRACT
In the submitted work the questions of modernization of system of the equations TDF with the purpose of simplification and specification of received results are considered. The developed new physical models and performances have allowed to establish phenomenon-logic interrelation between average superficial temperature and temperature of flare caused discrete nature contact of materials. On the basis of a hypothesis of summation of the designated temperatures the uniform formula for definition of maximal temperature in dependence only from average superficial temperature is received. The received method of definition of a temperature mode at sliding materials with intensive heat allocation has allowed essentially to simplify system of the equations TDF with simultaneous increase of accuracy of results.

REFERENCES