



FEM applications to model friction processes in plastic strain conditions

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One of the basic problems in different aspects of movement is the determination of frictional resistance occurring in the analyzed friction on node. Plastic working processes are also included in such generation processes where tribological problems are considered. Then, the problems how to evaluate friction with the consideration of plastic strain emerge. In these cases, the rigid-plastic systems must be considered. The research on plastic strain by means of FEM (Finite Element Method) model analyses can be one direction for considerations. The application of this method enables the examination of processes in modeling conditions at ensured simultaneous control and verification with the results obtained from real condition experiments.

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