

# EXPERIMENTAL SIMULATION OF HEAT AND STRESS FORMATION FOR SURFACE GRINDING

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**Abstract:** *The article describes an application of a FEM simulation for grinding process. The further experimental computer simulation solves the influence of abrasive grain wear on the output parameters such as heat generation, chip temperature and stress formation; a grinding grain was substituted by an approximate sharp and worn model.*

**Key words:** *FEM, Grinding, Simulation, Heat, Grinding Grain*



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