

## **INFLUENCE OF THE GRINDING PARAMETERS ON THE CHARACTERISTICS OF GEARS TEETH OUTER LAYER. SECOND PART**

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**Abstract:** The paper presents the influence exerted by the teeth eccentricity on the residual stresses generated in the outer layer of the gears teeth. Some hypothesizes concerning the getting of the surface roughness in the case of the gears teeth are analyzed. The authors appreciate that the grinding parameters can influence the content of the residual austenite in the teeth outer layer.

**Key words:** Cogwheel, grinding, residual stress, hardness, roughness.