

## CONTENT

1. INTRODUCTION.....	7
2. MATERIAL SURFACE CHANGES IN THE PRODUCT.....	9
3. MATERIAL SURFACE CHANGES IN THE CUTTING TOOL.....	10
4. RESULTS AND EXPERIENCE OF RESEARCH AUTHORS.....	52
4.1. RESEARCH - MATERIAL SURFACE CHANGES AT DRILLING.....	52
4.2. RESEARCH-STUDY SURFACE ROUGHNESS AT DRILLING.....	59
4.3. RESEARCH-MATHEMATICAL MODEL FOR SURFACE ROUGHNESS .....	63
4.4. RESEARCH-MATERIAL SURFACE CHANGES AT MILLING.....	76
4.5. RESEARCH-MATERIAL DEFORMATION UNDER SURFACE AT DRILLING .....	105
5. CONCLUSION.....	111
6. REFERENCES .....	113