

**TECHNICAL UNIVERSITY OF KOŠICE**  
FACULTY OF MANUFACTURING TECHNOLOGIES WITH  
A SEAT IN PREŠOV

# **ON GEAR HOBS PROFILING**

by

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## **Abstract**

The monograph is intended principally to research and developing workers and experts in the field of gear manufacturing tool research, development and design and to students of technical universities. It documents theoretical knowledge of envelope method application for in-feed hob profile design. It describes general theoretical principles of envelope methods and abilities for application of designed mathematical models for analysis of technological factors impact to gearing manufacturing accuracy.

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**Key words:** *in-feed hob, gear manufacturing, accuracy of profile, manufacturing productivity*

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