

# DESIGN OF MACHINES AND STRUCTURES

A Publication of the University of Miskolc

VOLUME 2, NUMBER 1 (2012)

## CONTENTS

<i>János Bihari</i> : Heating behaviour of small plastic gears.....	5
<i>Zoltán Bihari–József Szente</i> : Determination of ideal curve having constant wedge angle for roller freewheels .....	15
<i>Zsuzsa Drágár–László Kamondi</i> : Deviation from standards in relation to cylindrical gears with external straight teeth.....	25
<i>József Péter–Géza Németh</i> : Results of laboratory tests of harmonic gear drive .....	35
<i>Ferenc Sarka</i> : On computations of vibrations and frequencies of rolling bearings .....	53
<i>Ferenc János Szabó</i> : Optimization possibilities and methods in product development and qualification .....	63
<i>József Szente–László Kelemen</i> : Mathematical models for tooth surfaces of gear coupling.....	73
<i>Ágnes Takács</i> : Three dimensional solution space in design methodology.....	83