YU ISSN 1450-5304

UDC 621+629(05)=802.0



Mobility & Vehicles Mechanics

Editor-in-Chief: Dušan Simić

Co-editors: Aleksandra Janković, Čedomir Duboka

International Journal for Vehicle Mechanics, Engines and Transportation Systems

CONTENTS:		
	SUMMARIES	3
D. Radonjić	NEW CONCEPTION OF THE ROTARY INTERNAL COMBUSTION ENGINE SUMMARY	9
R. Pešić, S. Veinović, E. Hnatko, K. Golec,	ENVIRONMENTAL CHALLENGES TO THE PASSENGER CAR POWERPLANT OF THEFUTURE	17
B. Davidović, V. Lušanin, S. Kostić,	POWER SYSTEM TESTING OF RECONSTRUCTED MOTOR TRAIN "MACOSA" FOR MACEDONIAN RAILWAYS	25
B. Krstić	RESEARCH THE INFLUENCE OF INDIVIDUAL FACTORS ON THE CHARACTERISTICS OF A TURBOJUNCTION MOTOR VEHICLES	33
D. Jegdić, D. Nedeljković, J. Marković	DEVELOPMENT OF PROCEDURE FOR DETERMINING STIFFNES OF SIDE DOOR AND INFLUENCE OF STRENGHT OF DOOR TO STIFFNES	41
Ž. Petronijević, Z. Kalnić, B. Miličić, M. Matijević,	DETERMINING THE RANK OF INFLUENCE OF CERTAIN PARAMETERS ON THE OSCILLATORY VEHICLE MOTION BY THE APPLICATION OF SENSITIVITY THEORY ON A THREE-DIMENSIONAL VEHICLE MODEL	49
S. Putić, R. Aleksić, P. Uskoković,	DYNAMIC MECHANICAL BEHAVIOR OF GLASS FIBER-REINFORCED COMPOSITES	59



UNIVERSITY OF KRAGUJEVAC - FACULTY OF MECHANICAL ENGINEERING