

Table of Contents

Preface.docx

Chapter 1: Materials and Tools for Processing

Analysis of Abrasive Particle Trajectories during Single-Sided Lapping Process with Driven Conditioning Ring A. Barylski and N. Piotrowski	3
Weldability of S460ML High Strength Low Alloy Steel in Underwater Conditions D. Fydrych, J. Tomków, G. Rogalski and J. Łabanowski	10
The Effect of Circular Saw Blade Clamping Diameter on its Resonant Frequencies A. Kaczmarek, K. Orłowski and L. Javorek	18
Effect of SiO₂ Nanoparticles on the Mechanical and Low Velocity Impact Properties of Epoxy/Glass Composites M. Landowski and K. Imielińska	29

Chapter 2: Automotive Engineering and Traffic Management

The New Approach to Optimization of Production – Technological Base of a Public Transport Enterprises Network on an Example of City Hanoi A.N. Rementsov, V. Egorov and N.H. Manh	39
Problem of Accumulation and Freezing of Condensate in the Exhaust Gases of Cars at Low Temperatures N. Kuznetsov, M. Petukhov, A. Khaziev and A.V. Laushkin	47
Causes of Engine Oil Humidification A.V. Laushkin, A. Khaziev and A.A. Solntsev	56
The Simulator for the Gas Fuel System – Calibration Process Y. Panov, A.N. Pronnikov and K. Lapinski	63
Study of Dielectric and Physicochemical Parameters Dependencies in Engine Oils during Exploitation N. Sugatov and A. Khaziev	71
Mathematical Model of Tire Life Calculation in Real Conditions V. Yanchevskiy and E. Yanchevskaya	78
Theoretical Method of Prediction of the Optimal Bus Leasing Contract Time which Based on the Transit Agency Targets and Safety on the Traffic Routs L. Zimanov and N. Pozhivilov	85