

Transport Problems INTERNATIONAL SCIENTIFIC JOURNAL

Volume 1 CONTENTS

	Page
1. Filipczyk J., Wieszała R.: Influence of exploitation factors on the level of pollutants of using vehicles .	7
2. Flekiewicz M.: Influence of using alternative gaseous fuels on OBD system - Part III	13
3. Lazarz B., Perun G.: Influence of epicyclic gear elements damages on forces in meshing	23
4. Madej H.: Minimalisation of power trains vibroactivity	39
5. Markusik S., Opasiak T.: Influence of the torque change of static and dynamic characteristics of tire flexible couplings	51
6. Piecha J., Płaczek B.: The method of input data determination for traffic control system on the base of vehicle shape	61
7. Posmyk A., Bak L.: Oxide layer and composite layer produced on their matrix destined for aluminum elements in electrical steering of engine valves	71
8. Sitarz M., Mańka A., Hełka A.: Comparison of construction of railway brake shoe.....	81
9. Wilk A., Figlus T., Folega P., Wojnar G.: The method of computer aided engineering of analysis of the stiffness of meshing on need of simulating investigations	91
10. Woch J.: New transportation optimization methods - practical view	97
11. Bakowski H.: Exploitation factors influence on selected geometrical characteristic of wear debris of rail steel on grade 900A	109
12. Fabiś P.: Research on piston slap on the engine block vibration - conception of bench for simulation ...	115
13. Figlus T.: Diagnosis rolling bearing condition by using empirical mode decomposition and instantaneous frequency of signal	121
14. Folega P.: Use composite materials of flexspline of harmonic drive	127
15. Gardulski J., Burdzik R.: Application wavelet estimator in diagnosis of car shock absorber	133
16. Gardulski J., Konieczny Ł.: Model of car driving on the curve line	141
17. Gardulski J., Warczek J.: Simulation studies of mechanical system with active damping of vibrations ..	145
18. Gąska D.: Methodology of load - carrying crane structures dimensioning with parametric design features	151
19. Gorcyca P.: Telemetry of railway control devices with GSM/GPRS transmission	161
20. Hełka A., Mańka A.: Comparison of construction of railway brake shoe.....	167
21. Janeczek T.: Magnetic measure defectoscopy of railway wheelset	173
22. Kobryń J., Wilk K.: Analysis of a possibility to apply similarity numbers describing diffusion gas flames to estimate phenomena taking place in spark ignition engine	179
23. Kubica G.: An influence of feeding system and fuel kind on thermal balance in SI engine during warm	185
24. Kuminek T.: Numerical calculation and measurements of wearing railway wheelsets	193
25. Leśnicka A.: The survey of volume and structure of traffic as well as estimate of traffic condition on freeway A-4 entrances areas	195
26. Lazarz B., Madej H., Czech P.: Analysis of driving comfort of chosen car	211
27. Łazarz B., Wojnar G.: Using contact and non-contact measurements in identification of dynamic model of toothed gear working in power transmission system	219
28. Macioszek E.: Traffic models for small roundabouts	227
29. Młyńczak J.: Analysis of contact mating of point rod - plunger gauge - coupling bar system	235
30. Pamuła T., Czapla Z.: Method for identification of particular marks on vehicles	241
31. Pawlicki J., Schlosser F.: Roughness of bituminous surface as an element of effect on the maintenance cost trending	249
32. Sierpiński G.: M/G/1 queuing model usage to construct traffic delay model for signalised intersection .	257
33. Stańczyk M., Lukowski J.: The homogeneity mechanic properties of the bars round iron after quenching and tempering	263
34. Wieszała R., Filipczyk J.: Particle emission during the use of car	271
35. Wojnar G.: The influence of toothed wheel damage and rolling bearing failure on the dynamic forces in meshing of gear	277