

· · · , · · · , · · · , · · · ,  
· · · , · · · , · · ·

## 1520

· · · , 15, 49005, · · · ; e-mail: Mokrii.T.F@nas.gov.ua

1520

( )  
( 18-100)

-73,  
2-2,5

23,5 ( -73-02) 25 ( -73-03),  
( -73-01),

-73-01, 3,5-5

-73-02, -73-03

·  
« — »,

1. · · · . 1991. 1. . 47-50.
2. · · · . 1992. 12. . 30-34.
3. · · · . 1995. 10. . 36-40.
4. *Ushkalov V. F.* Wheelset and Rail Wear on Ukrainian Railways. Proceedings of the 2nd Mini Conference on Contact Mechanics and Wear of Rail/Wheel Systems. Budapest, Hungary. 1996. . 250-258.
5. · · · : · · · , 1997. 207 .
6. · · · : · · · . 2009. 224 .
7. · · · . 2011. 9. . 18-21.
8. · · · . 1993. 8. . 37-38.
9. *Magel E., Tajaddini A.* · · · . 2007. 10. . 62-64.
10. *Zakharov S., Goryacheva I., Bogdanov V., Pogorelov D., Zharov I.* Problems with Wheel and Rail Profiles Selection and Optimization. *Wear*. 2008. V. 265, issues 9, 10, 30. P. 1266-1272.
11. *Gerlici Yu., Lack T.* Railway Wheel and Rail Head Profiles Development Based on the Geometric Characteristics Shapes. 8 Intern. Conf. on Contact Mech. and Wear of Rail/Wheel Systems, Florence, Sept. 2009. // *Wear*. 2011. 271, No. 1-2. P. 246-258.
12. · · · : · · · . 2013. . 204-211. « ».

13. *Ushkalov V. F., Lashko A. D., Mokriy T. F.* Upgrade of Freight Car Bogies As An Option for Freight Rolling stock Running Gears Renovation. VNIIZhT Bulletin. 2014. 1. 7–12.
14. *Gregg Hansen W. M.*, . . . . . 18-100 . . . . . 2004. 5. 215–219.
15. . . . . 2008. 23. 76–82.
16. 18-7020 2. URL <http://test.kvsz.com/index.php/ru/produksiya/gruzovoe-vagonostroenie/khodovye-chasti/telezki/item/833-dvukhosnaya-telezka-model-18-7020>.
17. . . . . 2012. 1. 38–41.
18. . . . . 2013. 4 (46). 135–144.
19. . . . . 2015. 2. 90–99.
20. . . . . 2016. 2. 106–112.
21. *Piotrowski J., Kalker J. J.* The Elastic Cross-Influence Between Two Quasi-Hertzian Contact Zones. Vehicle System Dynamics. 1988. V. 17. P. 337–367.
22. *Pascal J. P., Sauvage G.* New Method for Reducing the Multicontact Wheel/Rail Problem to One Equivalent Contact Patch / The Dynamics of Vehicles on Roads and on Tracks : Proceedings of 12<sup>th</sup> IAVSD-Symposium. France, Lyon. 1991. P. 475–490.
23. *Anyakwo A. A., Pislaru C., Andrew B.* New Method for Modelling and Simulation of the Dynamic Behavior of the Wheel-Rail Contact. International Journal of Automation and Computing. 2012. No. 9 (3). P. 237–247.
24. *Ushkalov V., Malysheva I.* On a Vehicle Wheel-Rail Interaction. Ninth World Congress on the Theory of Machines and Mechanisms : Proceedings. Italy, Milan: Politecnico di Milano. 1995. V. 2. P. 941–945.
25. *Ushkalov V., Alexandrov .* The Creep Force Model for Different Conditions of Wheel-Rail Rolling Contact. ASME Winter annual Meeting. 1989. P. 189–196.
26. *William J. H., Ebersöhn W., Lundgren J., Tournay H., Zakharov S.* Guidelines to Best Practices for Heavy Haul Railway Operations : Wheel and Rail Interface Issues. USA: International Heavy Haul Association. 2001. 482 p.
27. *Kovalev R., Yazykov V. N., Mikhailchenko G. S., Pogorelov D. Yu.* Railway Vehicle Dynamics: Some Aspects of Wheel-Rail Contact Modeling and Optimization of Running Gears. Mechanics Based Design of Structures and Machines. 2003. No. 31 (3). P. 315–335.
28. . . . . « . . . . . 2013. 18 (207), . . . . . 179–183.
29. . . . . 2015. 2. 79–89.
30. . . . . 2014. 4. 23–27.
31. . . . . 2015. 4. 148–154.
32. . . . . 2015. 1. 97–103.
33. . . . . 2017. 4. 79–88.
34. 18-9817 25 . URL [http://okb.at.ua/publ/telezka\\_dvukhosnaja\\_modeli\\_18\\_9817\\_s\\_nagruzkoy\\_ot\\_kolesnoj\\_pary\\_na\\_relsy\\_25t/1-1-0-6](http://okb.at.ua/publ/telezka_dvukhosnaja_modeli_18_9817_s_nagruzkoy_ot_kolesnoj_pary_na_relsy_25t/1-1-0-6).
35. . . . . 2018. 1. 20–29.

09.08.2018,  
27.09.2018