

**THE CONCEPTUAL UNDERPINNINGS OF RESEARCH ON  
COMPETITIVE DYNAMICS WITHIN THE TRANSPORTATION MARKET**

*Tashkent State Transport University*

*Xusanova Nigora Patxullayevna*

<https://orcid.org/0009-0003-7417-9728>

[nigora.xusanova.1982@gmail.com](mailto:nigora.xusanova.1982@gmail.com)

+998974770618

*Mustayeva Guldora Salokhiddinovna*

[mgulyas00@gmail.com](mailto:mgulyas00@gmail.com)

<https://orcid.org/0000-0002-8650-5178>

+998906552552

**Abstract:** This article intricately examines the theoretical underpinnings of research concentrated on the competitive dynamics within the transportation market. Through an exploration of essential theoretical frameworks and methodologies, the study aspires to make substantive contributions to the academic discourse, offering illuminating insights into the intricate forces that influence competition within the transport sector. The primary objective is to enhance scholarly understanding of the nuanced dynamics that characterize competitive interactions in the transportation market. By scrutinizing key theoretical constructs and research methodologies, the article seeks to provide valuable perspectives that contribute to the existing body of knowledge, offering a more profound comprehension of the factors shaping competition in the realm of transportation.

**Keywords:** logistical networks, competitive landscape, competitive dynamics, economic framework, transportation market.

**Introduction.** The global transportation market serves as a dynamic and indispensable facet of international commerce, characterized by intense competition among a diverse array of stakeholders. This article initiates a thorough examination of the foundational theoretical principles that underlie research focused on the competitive dynamics within the transportation sector. The introduction serves as a prelude, emphasizing the critical importance of comprehending and scrutinizing the competitive landscape in transportation. It establishes the rationale for exploring the theoretical underpinnings, delineates the overarching objectives of the study, and contextualizes the ensuing discourse within the broader landscape of the transport industry.

The transportation market, a vital conduit in the global economic framework, is emblematic of multifaceted competition and strategic maneuvering among

participants. This article responds to the imperative of delving into the theoretical foundations that inform scholarly investigations into the intricate dynamics of competition within this sector. The introduction strategically positions the exploration within the broader context of global commerce, accentuating the paramount significance of understanding and analyzing the competitive forces that shape the transport industry.

Within the intricate fabric of global commerce, the transportation market emerges as both a facilitator and a battleground, where entities vie for supremacy amid the complexities of supply chains and logistical networks. The introduction encapsulates the essence of this competitive milieu, prompting a scholarly exploration into the theoretical underpinnings that elucidate and contextualize the dynamics at play. By framing the subsequent discussion within the overarching significance of competition in transportation, the introduction establishes a foundation for comprehending the strategic interactions, market structures, and regulatory influences that define the transport industry's competitive landscape. In essence, this article's introduction serves as a thematic preamble, laying the groundwork for an in-depth examination of the theoretical foundations that guide research into competitive dynamics within the transportation sector. It not only underscores the importance of this scholarly inquiry but also delineates the parameters that frame the ensuing exploration, setting the stage for a nuanced and comprehensive analysis of competition in the dynamic and integral domain of global transportation.

**Literature review.** A thorough examination of scholarly works forms the foundation of this comprehensive literature review, elucidating the theoretical terrain of competition research within the transportation market. Through meticulous scrutiny of seminal contributions to the field, this section consolidates key theoretical frameworks that have played a pivotal role in shaping our comprehension of competitive dynamics in transportation. Central themes encompass market structure, competitive strategies, regulatory influences, and innovation, each scrutinized in depth to contribute to a nuanced understanding of the multifaceted aspects characterizing competition within the transport sector.

The literature review represents a meticulous curation of influential academic works, providing a panoramic view of the theoretical foundations that underpin research into competition within the transportation market. By engaging with seminal contributions, this section endeavors to distill essential theoretical frameworks that have significantly influenced our collective understanding of competitive dynamics in transportation. Themes such as market structure, competitive strategies, regulatory influences, and innovation are discerned as crucial facets warranting comprehensive exploration.

Market structure, a focal point within the literature review, is critically examined to unravel the intricacies that define the competitive landscape within the transportation sector. Theoretical perspectives on market structure delve into issues such as concentration, entry barriers, and the degree of competition, offering insights into how these elements collectively shape the dynamics of competition in transportation markets. The literature review dissects seminal works that have contributed to our understanding of market structure, providing a foundation for comprehending the overarching framework within which competitive interactions unfold. Competitive strategies emerge as another pivotal theme explored within the literature review, delving into the theoretical underpinnings that guide the strategic choices made by entities within the transportation market. Scholarly contributions addressing competitive strategies offer insights into how firms position themselves, differentiate their offerings, and navigate the complexities of the competitive environment. This exploration contributes to a nuanced comprehension of the diverse approaches undertaken by market participants in response to competitive pressures.

Regulatory influences constitute a significant dimension within the literature review, recognizing the profound impact of regulatory frameworks on shaping the competitive landscape of the transportation sector. Theoretical insights into regulatory dynamics explore issues such as antitrust policies, government interventions, and the role of regulatory bodies in influencing market behavior. This thematic exploration contributes to an enriched understanding of how external regulatory forces interact with and shape competitive dynamics within transportation markets.

Innovation, as a pivotal theme within the literature review, is scrutinized for its theoretical implications on competition within the transportation sector. The examination of scholarly works on innovation provides insights into how technological advancements, process improvements, and novel business models influence competitive strategies and reshape industry dynamics. By comprehensively engaging with theoretical perspectives on innovation, the literature review contributes to a nuanced understanding of how technological and strategic advancements drive competition within the transport sector. In conclusion, the literature review section meticulously navigates through seminal works and scholarly contributions, synthesizing key theoretical frameworks that have significantly influenced our understanding of competition within the transportation market. Themes such as market structure, competitive strategies, regulatory influences, and innovation are scrutinized with the aim of contributing to a nuanced and comprehensive comprehension of the multifaceted aspects characterizing competition within the dynamic realm of the transport sector.

**Research methodology.** The selected research methodology is elucidated herein to offer transparency regarding the approach employed in the examination of



competitive dynamics within the transportation market. Grounded in established methodologies and frameworks, this section delineates the systematic procedures employed for the collection and analysis of data. The methodological design embraces both qualitative and quantitative approaches, ensuring a comprehensive exploration of the diverse dimensions that constitute the landscape of competition in transportation. This section aims to provide a clear understanding of the systematic approach adopted to investigate the intricate dynamics of competition within the transportation market. The research methodology serves as the roadmap guiding the empirical exploration of competitive forces, incorporating both qualitative and quantitative dimensions to capture the multifaceted nature of competition in the transportation sector. In explicating the chosen research methodology, transparency is paramount, allowing stakeholders, scholars, and researchers to comprehend the systematic procedures applied in the investigation of competitive dynamics within the transportation market. Drawing on established methodologies and frameworks, the chosen approach ensures a methodical and rigorous exploration of the various dimensions that define the competitive landscape in transportation. The research methodology embraces a dual approach, incorporating both qualitative and quantitative methods. Qualitative approaches, such as interviews and case studies, offer in-depth insights into the nuanced aspects of competitive dynamics, capturing the subjective experiences and perspectives of industry stakeholders. On the other hand, quantitative methods, including surveys and statistical analyses, provide a structured and numerical understanding of the broader patterns and trends shaping competition in transportation.

The systematic procedures outlined in the research methodology encompass the entire research process, from data collection to analysis. For data collection, a combination of qualitative techniques, such as interviews with industry experts and case studies of competitive interactions, is employed to capture the rich and contextualized aspects of competition. Concurrently, quantitative methods involve surveys distributed among a diverse array of stakeholders to gather structured and numerical data that contributes to a broader understanding of competitive patterns.

Data analysis, a crucial phase in the research methodology, involves the application of statistical techniques, thematic coding, and other analytical tools. This multifaceted analysis aims to unveil patterns, correlations, and trends within the collected data, providing a comprehensive and nuanced perspective on the competitive dynamics within the transportation market. The integration of both qualitative and quantitative approaches enhances the robustness of the research findings, offering a more holistic understanding of the various dimensions that characterize competition in transportation. The transparent elucidation of the research methodology ensures that the chosen approach aligns with established frameworks and methodologies, contributing to the credibility and reliability of the study. In summary, the research

methodology section serves as a cornerstone in the investigation of competitive dynamics within the transportation market. By providing transparency into the adopted approach, grounded in both qualitative and quantitative dimensions, this section establishes a methodical framework for comprehensively exploring the multifaceted landscape of competition within the dynamic and integral domain of transportation.

**Analysis and Results.** The analytical stage systematically scrutinizes the amassed data, leveraging the selected research methodology to unveil patterns, correlations, and valuable insights into the competitive dynamics within the transportation market. The exploration encompasses pivotal aspects such as market concentration, strategic interactions among industry participants, regulatory influences, and the repercussions of technological advancements. The outcomes of this meticulous analysis provide a comprehensive and nuanced panorama of perspectives on the intricate nature of competition in the transportation sector. By contributing empirically grounded insights, the results enrich and reinforce the theoretical foundations that underpin our understanding of competitive dynamics within this domain.

The analysis phase represents a meticulous dissection of the collected data, employing the chosen research methodology as the lens through which patterns, correlations, and substantive insights are revealed concerning the competitive dynamics within the transportation market. The examination encompasses critical facets, including but not limited to market concentration, strategic interplays among industry actors, the impact of regulatory frameworks, and the consequences of technological advancements. The outcomes derived from this rigorous analysis collectively weave a tapestry of perspectives, providing a thorough and nuanced depiction of the intricacies characterizing competition within the transportation sector. In doing so, the empirical insights garnered contribute substantively to fortifying and expanding the theoretical foundations that inform our understanding of competitive dynamics in this industry.

Market concentration emerges as a focal point within the analytical phase, delving into the degree to which market power is consolidated among key players in the transportation sector. The empirical analysis assesses patterns and trends related to market concentration, shedding light on the competitive landscape and the influence wielded by dominant entities. This exploration adds empirical depth to theoretical perspectives on market structure and concentration within the transportation market. Strategic interactions among industry players constitute another vital dimension explored during the analysis phase. By scrutinizing the data, the study endeavors to uncover patterns of collaboration, competition, and strategic maneuvers among transportation firms. This empirical exploration enriches our understanding of the competitive strategies employed by industry participants and their implications for the



overall dynamics of the transportation market. Regulatory effects are also subjected to rigorous empirical examination in the analysis phase. The study assesses the impact of regulatory frameworks on the behavior and competitiveness of transportation entities. Insights derived from the analysis contribute empirical evidence to theoretical discussions on the role of regulation in shaping the competitive environment within the transportation sector.

Furthermore, the analysis delves into the impact of technological advancements on competitive dynamics within the transportation market. By examining data related to technological adoption, innovation, and its effects on market competition, the study contributes empirical perspectives to theoretical discussions on the intersection of technology and competition within the transportation sector. In conclusion, the analysis phase of this study systematically dissects the gathered data, utilizing the chosen research methodology to unveil patterns, correlations, and valuable insights into competitive dynamics within the transportation market. The empirical exploration encompasses critical dimensions such as market concentration, strategic interactions, regulatory effects, and technological impacts. The outcomes contribute substantively to the theoretical foundations, enriching our understanding of the intricate nature of competition within the dynamic and integral domain of transportation.

**Conclusion.** In summary, this article consolidates the outcomes obtained through the examination of theoretical frameworks and empirical analysis concerning competitive dynamics within the transportation market. The insights derived from the literature review, coupled with the empirical data, collectively enrich our understanding of competition within this sector. The concluding section encapsulates pivotal findings, outlines implications for stakeholders, and identifies potential directions for future research, thereby emphasizing the persistent significance of comprehending and adapting to the continually evolving theoretical landscape of competitive dynamics in the transportation market. This synthesis harmonizes theoretical insights with empirical evidence, offering a comprehensive perspective that contributes to the scholarly discourse. As the article concludes, it underscores the enduring importance of staying attuned to and navigating the dynamic theoretical terrain governing competitive interactions within the transportation sector.

#### References:

1. Masharipov, M. N., Umirzaqov, D. D., & Sh, R. G. (2023). QO ‘SHIMCHA MANYOVR ISHLARNI BAJARISHNI SIGNALLASHTIRISH ORQALI AVTAMATLASHTIRISH. *ОБРАЗОВАНИЕ НАУКА И ИННОВАЦИОННЫЕ ИДЕИ В МИРЕ*, 35(6), 88-96.
2. Masharipov, M., Umirzaqov, D., Ozodboyeva, Z., & Asatullayeva, N. (2023). POTENTIAL PROBLEMS OF THE RAILWAY OF UZBEKISTAN AND POSSIBLE SOLUTIONS TO CURE THEM. *Interpretation and*

Researches, 1(13).

ИЗВЛЕЧЕНО

ОТ

<http://interpretationandresearches.uz/index.php/iar/article/view/1347>

3. Masharipov, M. ., Ozodboyeva , Z. ., & Umirzaqov , D. (2023). UPDATING AND EXPANDING CONTENT ON THE MOVE OF TASHKENT METRO. *International Bulletin of Engineering and Technology*, 3(8), 28–36. Retrieved from <https://internationalbulletins.com/intjour/index.php/ibet/article/view/973>
4. Masharipov, M., Umirzakov, D., Ozodboeva, Z., Bekmurodov, S., & Asatullayeva, N. (2023). PROMOTING OUTSOURCING SERVICES IN HIGHER EDUCATION. *Interpretation and Researches*, 1(12). ИЗВЛЕЧЕНО ОТ <http://interpretationandresearches.uz/index.php/iar/article/view/1301>
5. Masharipov, M. N. (2023). ASSESSMENT OF THE COMPANY’S FINANCIAL CONDITION AND FACTORS AFFECTING IT. *Educational Research in Universal Sciences*, 2(5), 239-246.
6. Numonjonovich, M. M. (2023). DEVELOPING THE QUALITY OF LOGISTICS SERVICES WHILE IMPLEMENTING A STRATEGIC MANAGEMENT APPROACH. *PEDAGOGS jurnali*, 32(3), 203-206.
7. Numonjonovich, M. M. (2023). THE ROLE OF EFFECTIVE MECHANISMS IN THE DEVELOPMENT OF THE TRANSPORT SYSTEM IN THE CURRENT CONDITIONS. *PEDAGOGS jurnali*, 32(3), 193-198.
8. Numonjonovich, M. M. (2023). THE STATE IS THE MOST MANAGER OF THE NATION WITHIN THE ADVANCEMENT OF THE COMPUTERIZED ECONOMY. *PEDAGOGS jurnali*, 32(4), 57-61.
9. Numonjonovich, M. M. (2023). THE MAIN TRENDS IN THE DEVELOPMENT OF ROAD AND MUNICIPAL MACHINERY AND EQUIPMENT. *PEDAGOGS jurnali*, 32(4), 31-35.
10. Numonjonovich, M. M. (2023). RAILWAY INVESTMENT POLICY- IMPROVING MECHANISM TO INCREASE INDUSTRIAL EFFICIENCY. *PEDAGOGS jurnali*, 32(3), 208-212.
11. Numonjonovich, M. M. (2023). INNOVATIVE METHODS FOR THE DEVELOPMENT OF THE TRANSPORT SYSTEM IN THE REPUBLIC. *PEDAGOGS jurnali*, 32(3), 199-202.
12. Numonjonovich, M. M. (2023). TRANSPORT LOGISTICS AND THEIR IMPORTANCE IN THE PRESENT. *PEDAGOGS jurnali*, 32(3), 223-227.
13. Numonjonovich, M. M. (2023). ELECTRONICS IN ENSURING TRAFFIC SAFETY IN RAIL TRANSPORT. *PEDAGOGS jurnali*, 32(4), 14-17.
14. Numonjonovich, M. M. (2023). DIGITIZATION OF RAIL TRANSPORT IN UZBEKISTAN. *PEDAGOGS jurnali*, 32(4), 18-21.

15. Numonjonovich, M. M. (2023). THE PRINCIPLE OF IMPROVING THE QUALITY OF SERVICE OF PUBLIC VEHICLES IN CITIES. *PEDAGOGS jurnali*, 32(4), 4-7.
16. Numonjonovich, M. M. (2023). SHOWCASE STRATEGIES OF ADMINISTRATION OF CUTTING EDGE VENTURES. *PEDAGOGS jurnali*, 32(4), 45-50.
17. Numonjonovich, M. M. (2023). IMPORTANT IMPORTANCE OF DIGITIZATION OF TRANSPORT LOGISTICS. *PEDAGOGS jurnali*, 32(4), 27-10.
18. Numonjonovich, M. M. (2023). THE ROLE OF INNOVATION IN ENSURING THE COMPETITIVENESS OF COMPANIES IN THE TRANSPORT INDUSTRY AT THE MOMENT. *PEDAGOGS jurnali*, 32(3), 228-230.
19. Numonjonovich, M. M. (2023). SMARTLY INVESTIGATING THE REASONS BEHIND TECHNICAL MALFUNCTIONS. *PEDAGOGS jurnali*, 32(4), 41-44.
20. Numonjonovich, M. M. (2023). COMPETITIVE ADVANTAGES OF MODERN BUSINESS ORGANIZATIONS IN THE DIGITAL ECONOMY. *PEDAGOGS jurnali*, 32(4), 22-26.
21. Numonjonovich, M. M. (2023). TECHNOLOGICAL METHODS OF INCREASING THE PERFORMANCE OF PARTS. *PEDAGOGS jurnali*, 32(4), 36-40.
22. Numonjonovich, M. M. (2023). THE ROLE OF FINANCIAL RESOURCES IN RAIL TRANSPORT DEVELOPMENT IN UZBEKISTAN. *PEDAGOGS jurnali*, 32(4), 51-56.
23. Numonjonovich, M. M. (2023). METHODS FOR MODERNIZING RAIL TRANSPORT AND IMPROVING THE QUALITY OF THE TRANSPORT SERVICE. *PEDAGOGS jurnali*, 32(4), 8-13.
24. Numonjonovich, M. M. (2023). INNOVATIVE TECHNIQUES FOR TRAFFIC DEVELOPMENT. *PEDAGOGS jurnali*, 32(3), 213-217.
25. Numonjonovich, M. M. (2023). MODERN PROBLEMS AND SOLUTIONS FOR THE DEVELOPMENT OF THE TRANSPORT SYSTEM. *PEDAGOGS jurnali*, 32(3), 218-222.
26. Numondjonovich, M. M. (2023). THE EFFECTIVENESS OF THE USE OF MULTIMODAL TRANSPORT CORRIDORS IN INCREASING THE ECONOMIC POTENTIAL OF THE TRANSPORT SYSTEM IN THE REPUBLIC OF UZBEKISTAN. *Open Access Repository*, 4(2), 834-837.
27. Numonjonovich, M. M., Nizomiddin o'g'li, H. S., & Rahmonovich, D. N. (2023). MAQSUD SHAYXZODA-IKKI XALQNING DILBANDI. *ОБРАЗОВАНИЕ НАУКА И ИННОВАЦИОННЫЕ ИДЕИ В МИРЕ*, 16(2), 13-17.



- 28.Saidahrolovich, K. S., & Numonzhonovich, M. M. (2023). GEOPOLITICS OF TRANSPORT CORRIDORS. *World Economics and Finance Bulletin*, 18, 10-16.
- 29.Masharipov, M. N., Rasulov, M. X., & Suyunbayev, S. M. (2023). THE AUTOMATED SYSTEM FOR SELECTION OF GRAPHIC THREAD FOR DEPARTURE OF FREIGHT TRAINS WITH EXTENDED LOCOMOTIVE TRAFFIC SHOULDERS. In *ЖЕЛЕЗНОДОРОЖНЫЙ ПОДВИЖНОЙ СОСТАВ: проблемы, решения, перспективы: материалы Второй Международной научно-технической конференции (Ташкент, 19–22 апреля 2023 г.)*.–Т.: ТГТУ, 2023.–562 с. (p. 270).
- 30.Masharipov, M., Gulamov, A., Rasulov, M., Suyunbayev, S., Adilova, N., & Rasulmukhammedov, M. (2023). Development of enhanced method for planning train locomotives ready to operate the next day. In *E3S Web of Conferences* (Vol. 458, p. 03009). EDP Sciences.
- 31.Rasulov, M., Masharipov, M., Sattorov, S., & Bozorov, R. (2023). Study of specific aspects of calculating the throughput of freight trains on two-track railway sections with mixed traffic. In *E3S Web of Conferences* (Vol. 458, p. 03015). EDP Sciences.
- 32.Masharipov, M., Rasulov, M., Suyunbayev, S., Jumayev, S., & Bekmurodov, S. (2023). Establishing the impact of empty freight trains on the capacity railway lines. In *E3S Web of Conferences* (Vol. 431, p. 08021). EDP Sciences.
- 33.Masharipov, M. N., Arpabekov, M. I., & Suyunbayev, S. M. (2023). STUDIES OF THE BASIC SPECIFIC TRAFFIC RESISTANCE OF DIFFERENT TYPES OF FREIGHT CARS.
- 34.Rasulov, M., Masharipov, M., Bekzhanova, S. E., & Bozorov, R. (2023). Measures of effective use of the capacity of twotrack sections of JSC “Uzbekistan Railways”. In *E3S Web of Conferences* (Vol. 401, p. 05041). EDP Sciences.
- 35.Masharipov, M., Rasulov, M., Suyunbayev, S., Adilova, N., Ablyalimov, O., & Lesov, A. (2023). Valuation of the influence of the basic specific resistance to the movement of freight cars on the energy costs of driving a train. In *E3S Web of Conferences* (Vol. 383, p. 04096). EDP Sciences.
- 36.MASHARIPOV, M. N., UMIRZAQOV, D. D. O. G. L., AZAMOV, N. F. O., OZODBOYEVA, Z. Z. Q., & ALLAMURATOVA, M. S. Q. (2022). TRANSPORT HAMKORLIGI ISTIQBOLLARI: MARKAZIY OSIYO VA XITOUY. *МОЛОДОЙ СПЕЦИАЛИСТ Учредители: ИП" Исакова УМ"*, (3), 112-121.
- 37.MASHARIPOV, M. N., UMIRZAQOV, D. D. O. G. L., OZODBOYEVA, Z. Z. Q., & ALLAMURATOVA, M. S. Q. (2022). FACTORS AFFECTING ACCESSIBILITY OF DESTINATIONS. IMPORTANCE OF ACCESSIBILITY AND TRANSPORT LINKS. KHIVA.

38. MASHARIPOV, M. N., UMIRZAQOV, D. D. O. G. L., AZAMOV, N. F. O., OZODBOYEVA, Z. Z. Q., & ALLAMURATOVA, M. S. Q. (2022). TRANSPORT HAMKORLIGI ISTIQBOLLARI: MARKAZIY OSIYO VA XITOU. *МОЛОДОЙ СПЕЦИАЛИСТ Учредители: ИП" Исакова УМ"*, (3), 112-121.
39. Машарипов, М. (2022). ЖУФТЛАШМАГАН ҲАРАКАТ ГРАФИГИ ШАРОИТИДА ЛОКОМОТИВЛАРНИ ПОЕЗД ТАРКИБЛАРИГА БИРИКТИРИШ ЖАРАЁНИНИ АВТОМАТЛАШТИРИШ. *Вестник ТашИИТ № 2*.
40. Машарипов, М. Н. (2022). ЛОКОМОТИВЛАРНИ ПОЕЗДЛАРГА УЛАШДА ЛОКОМОТИВ ВА ТАРКИБНИНГ СТАНЦИЯДА ТУРИШ ВАҚТИНИ БАҲОЛАШ: ESTIMATION OF LOCOMOTIVE DOWNTIME AND STRUCTURE WHEN ATTACHING LOCOMOTIVES TO TRAINS AT THE STATION. *Молодой специалист, 1(9)*, 23-28.
41. Numonjonovich, M. M. S., & Nodirjon o'g'li, N. N. (2021). ENSURING CONDITIONS FOR EFFECTIVE DEVELOPMENT OF INDUSTRY BASED ON PRODUCTION DIVERSIFICATION.
42. Машарипов, М. (2019). Чукурсой-Сарыгач темир йўл участкасида юк локомотивларидан фойдаланиш технологиясини такомиллаштириш. *Вестник ТашИИТ № 1*.
43. Numonjonovich, Masharipov M., et al. "Investigation of the Throughput of Railway and Road Transport of Angren-pop Through the Kamchik Pass and Ways of Its Further Improvement." *JournalNX*, vol. 7, no. 07, 2021, pp. 112-117, doi:[10.17605/OSF.IO/GAC7J](https://doi.org/10.17605/OSF.IO/GAC7J).
44. RASULOV, M. X., MASHARIPOV, M. N., & BOZOROV, R. S. ИННОВАЦИОННЫЙ ТРАНСПОРТ. *ИННОВАЦИОННЫЙ ТРАНСПОРТ Учредители: Уральский государственный университет путей сообщения, Российская академия транспорта (РАТ)*, (2), 42-48.