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DEVELOPMENT OF A PLAN TO REPAIR THE PRIORITY OF BUS TRAFFIC

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Abstract: This article gives information about the prioritization of bus traffic is essential for sustainable urban mobility, aiming to alleviate congestion, reduce emissions, and enhance overall public transportation effectiveness. This article presents a comprehensive plan for repairing and improving the priority of bus traffic, encompassing infrastructure upgrades, policy interventions, and technological advancements. By prioritizing bus traffic, cities can create more efficient and environmentally friendly transportation systems, ultimately fostering smarter and more livable urban environments.

Keywords: bus priority, urban transportation, sustainable mobility, congestion alleviation, public transport, infrastructure upgrades, policy interventions, technological advancements

Introduction. The introduction provides an overview of the challenges facing urban transportation and the importance of enhancing bus traffic priority, laying the foundation for the proposed development plan.

This section examines the existing condition of bus priority systems in urban areas, highlighting the shortcomings and identifying areas in need of improvement.

The article delves into the infrastructure upgrades necessary to support bus priority, including dedicated bus lanes, bus rapid transit (BRT) systems, bus shelters, and terminal facilities [1]. It discusses the impact of these upgrades on improving the overall efficiency and attractiveness of bus transportation.

This section focuses on policy measures aimed at repairing and enhancing bus traffic priority. It encompasses regulatory frameworks, traffic signal prioritization, dedicated bus corridors, and incentives for bus usage, emphasizing the role of policy in reshaping urban transportation dynamics[2,3].

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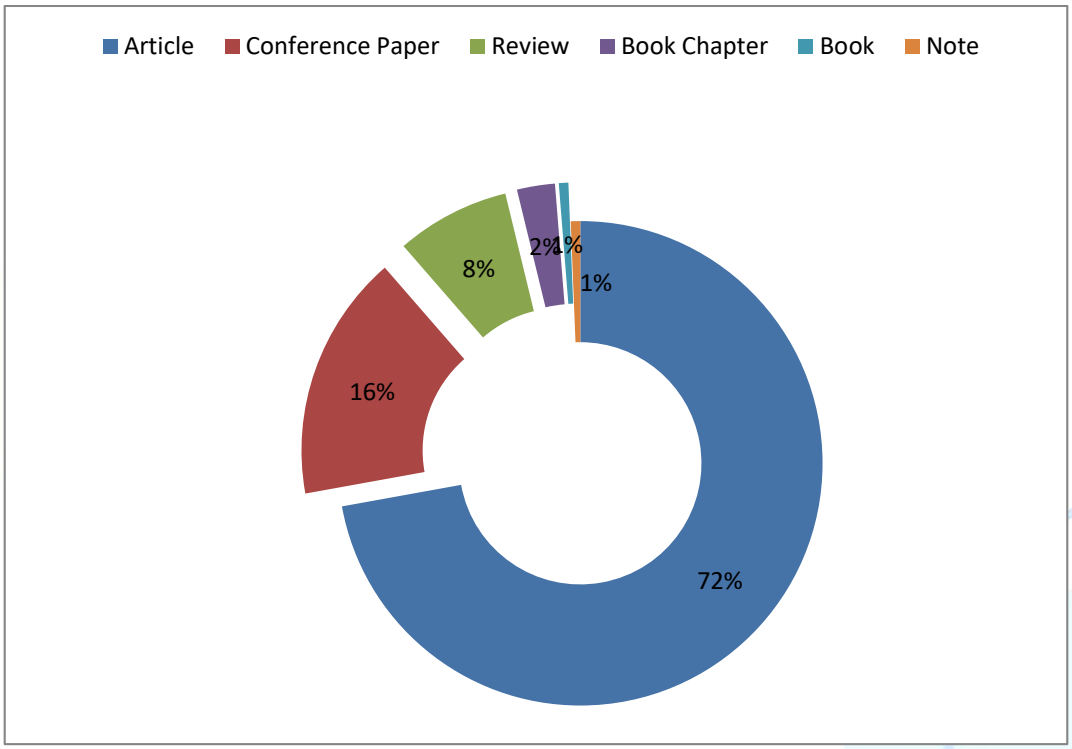

Fig1. Development of a plan to repair the priority of bus traffic scientific works published within this topic.

The article explores the integration of advanced technologies to support bus priority, such as real-time passenger information systems, intelligent transportation systems, and fare collection innovations [4]. It evaluates the potential of these advancements in streamlining bus operations and enhancing the passenger experience [5].

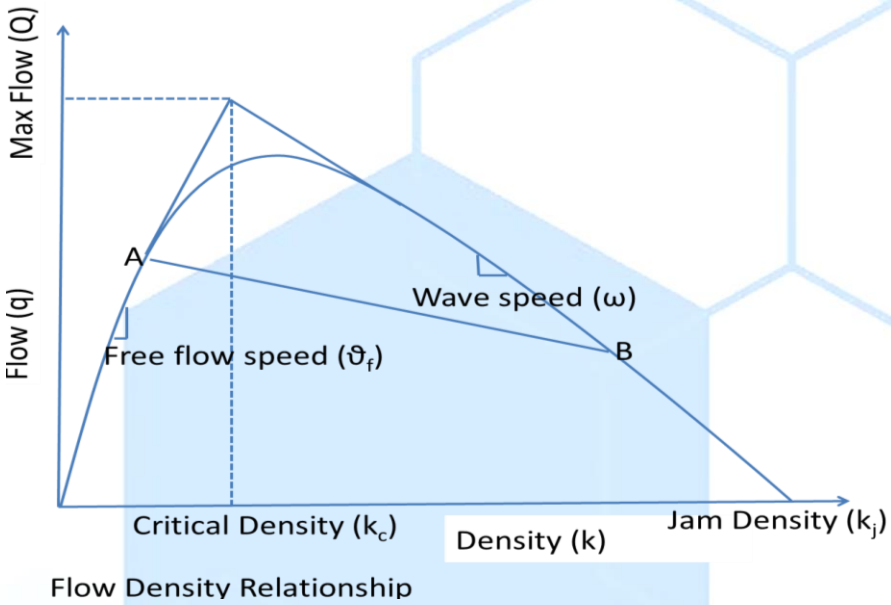

Fig2. Traffic of buses in dense and empty areas

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Method. Method also depends on Case Studies such as drawing on examples from various cities, this section presents case studies of successful initiatives to repair and improve bus traffic priority. It analyzes the outcomes and lessons learned from these cases to inform the development of effective strategies in different urban contexts [6,7].

The article examines the importance of stakeholder engagement and community involvement in the planning and implementation of bus priority repairs. It emphasizes the need for inclusive decision-making processes and public support for sustainable urban transportation initiatives [8].

This section outlines a framework for the implementation of the bus priority development plan, emphasizing the importance of a phased approach and continuous evaluation to ensure the effectiveness of the interventions [9].

This article aims to advance the discourse on sustainable urban transportation, presenting a comprehensive plan to repair and enhance the priority of bus traffic, thereby contributing to the creation of more efficient, inclusive, and environmentally conscious urban mobility systems.

Conclusion

The article concludes by discussing the future prospects of bus traffic priority improvements, offering recommendations for integrated urban transportation planning and the alignment of bus priority initiatives with broader sustainability goals.

The conclusion summarizes the key findings and implications of the proposed plan, highlighting the potential benefits of prioritizing bus traffic for sustainable urban mobility and transportation system resilience.

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