

MODEL TAKSI PRIJEVOZA U URBANIM SREDINAMA

MODEL OF TAXI TRANSPORTATION IN URBAN AREAS

Sažetak: Prijevoz taksijem u urbanim sredinama mora uvažavati društvena, ekonomska, tehnološka, operativna i ekološka gledišta s ciljem boljeg pozicioniranja na tržištu.

Tehnološko-ekonomska gledišta operativnog sustava taksi prijevoza pridonose funkcionalnosti prijevoza putnika uz visoku iskoristivost kapaciteta prijevoznih jedinica.

Disertacija se temelji na modelu koji načinom prijevoza putnika povećava razinu kvalitete usluge i iskoristivost kapaciteta voznog parka. Istražena ponuda i potražnja pretpostavlja strategiju modela taksi usluge i cijenu vožnje. Predloženi model je primjenjiv za gradove i veće urbane sredine.

Kod prijevoza taksijem konotacija operativnosti određuje tipizaciju modela prijevoznog sredstva, način prijevoza putnika i ekološku prihvatljivost. Oprema, udobnost i usklađenost s najvišim tehničko-ekološkim standardima zahtjevi su koje moraju zadovoljavati operateri prilikom dobivanja dopusnica za prijevoz taksijem. Edukacija vozača mora biti permanentna i provoditi se usklađeno sa zakonskim normama. Način operativnosti i djelovanje taksi prijevoza principijelno su identični u većini europskih metropola. Stacionarni način rada postaje minoran, pa razvoj taksi prijevoza implementira djelovanje u koncentriranom zonskim krugovima i linijama koje se presijecaju rezultirajući kružnom operativnošću, mobilnošću i povećanjem potražnje za taksi uslugama. Sve analize i relevantni algoritmi predloženi u ovom radu prikazani su na odgovarajući numerički način i primjerom.

Ključne riječi: prijevoz taksijem, modeli, mobilnost taksi prijevoza, linijski taksi prijevoz

Abstract: Transport by taxi in urban areas must take into account social, economic, technological, operational and environmental aspects with the aim of better positioning on the market. Technological and economic aspects of the operating system of taxi transport contribute to the functionality of passenger transport with a high utilisation of capacity of transport units.

The dissertation is based on a model which by the mode of transportation of passengers increases the level of quality of service and the capacity utilisation of rolling stock. The

studied supply and demand assumes the strategy of model of taxi service and fare. The proposed model is applicable to the cities and larger urban areas.

When traveling by taxi the connotation of operability determines the typing model of the vehicle, mode of passengers transport and environmental acceptability. The equipment, comfort and compliance with the highest technical and environmental standards are the requirements which have to be met by operators in obtaining licenses for the taxi transportation service. Education of drivers has to be permanent and implemented in compliance with legal standards. The way of operability and functioning of taxi transportation service are in principle identical in most European capitals. Stationary mode is becoming a minor, therefore the development of a taxi transportation service is implementing actions in a concentrated zone-circles and lines that intersect with the resulting circular operability, mobility and increasing demand for taxi services.

All the analyses and relevant algorithms proposed in this paper are shown in the corresponding numerical mode and the example.

Keywords: taxi transportation service, models, mobility of taxi transportation, line taxi transportation