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AIR DISPERSION MODELLING OF THE ENVIRONMENTAL POLLUTION CAUSED BY TRAFFIC

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The paper relates to the modelling of the air quality near a main cross road, by taking into account also the general pollution level of all the other existing pollution sources. The CALINE 3 program is used in order to quantify the direct effect of the traffic component. A concrete example from the city of Timisoara is developed and interpreted. Real meteorological, source concerning input and topographic data are used.

Key words: Air quality modelling, dispersion, traffic component, pollution control, imission, internal combustion engines

MODELIRANJE DISPERZIJE VAZDUHA NASTALE ZAGAĐENJEM OKRUŽENJA OD SAOBRAĆAJA

Rad je povezan sa modeliranjem kvaliteta vazduha pored glavne raskrsnice, uzimanjem u obzir i nivoa generalnog zagađenja od svih ostalih prisutnih izvora zagađenja. Program "CALINE 3" se koristi da bi se odredio direktan uticaj komponente od saobraćaja. Razvijen je i interpretiran konkretan primer iz grada Temišvara. Korišćeni su stvarni metereološki i topografski podaci, kao i podaci izvora koji utiču na izlaz.

Ključne reči: životna sredina, saobraćaj,