

The dependence of the air pollution from the road traffic on the speed of the driven cars

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Abstract: The constant emission factors, independent of the speed of cars are used at the contemporary Slovak methodology of the air pollution calculation from the road traffic. Emission factors correspond roughly in a city to the mean speed of the vehicle 20 km h^{-1} , outside the city 60 km h^{-1} . The speed-dependent emission factors are introduced. On the basis of the empirical speed-dependent emission factors for *CO*, *NO_x*, *VOC* and *TPM* found by the Corinair working group for each vehicle category, and on the basis of the vehicle fleet composition, the mean speed-dependent emission factors are calculated.

Key words: air pollution, road traffic, emission factors

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