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Title: A Method For Horizontal Turbulent Coefficient Definition From Observed Data

Abstract: In this paper we would like to present a method for horizontal turbulent coefficient definition by treating observed wind velocity data. The calculations are executed for standard observed data in the period 1991 – 2000. These calculated coefficients are applied in estimation of air pollution by The Hiep Phuoc Thermoelectric Power Plant (Hochiminh city, Vietnam) in the period 1999 – 2000. Compared results show that SO2 concentration calculated by Berliand model with computed horizontal turbulent coefficients are nearly to measured concentration values. It is shown that Berliand-type models are able to describe well the pollutant diffusion by the stacks. Therefore researches for localization of coefficients are necessary, and this paper is one of these researches

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