

空氣品質模式驗證程式

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摘 要

在模式發展階段及法規管制應用時，常須對空氣品質模式進行表現評估，在過去十幾年中，有許多模式驗證的統計分析技術已被發展出來，因此，能以較系統化及客觀的方法評估模式的表現。進行此種分析，必須準備大量資料，且部份統計量較為特殊，如用市售之套裝軟體，十分不方便，因此特別撰寫一程式以進行統計分析。有關此一程式所用之統計分析之項目、方法等在本文中將有所說明。同時，本文也將對之程式之流程和架構加以介紹。

ABSTRACT

The performance evaluation of air quality models is widely used in the development and regulatory applications of diffusion models. In the the past ten years, many statistical methods have been developed. A systematic and objective evaluation of the performance of air quality model is possible now. In conducting such an evaluation, large ammount of data must be prepared and special statistics must be determined. Since no any commercialized software package is suitable for such a purpose, a new computer program is developed. The statistics used by this program is described in this paper. The usage and output of this program is also discussed.