

Modeling of Recirculating Air Filtration for Vehicles and Workplaces

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Abstract

Modeling on recirculating air filtration for vehicular cabin air was performed and compared with the results from on-road measurements of particulate matters, CO and CO₂ concentrations. Optimization of the operation of in-cabin recirculating air to minimize the passengers' exposure to the aforementioned pollutants is discussed. A similar model was also used in the study of the nanoparticle exposure control in workplaces.

Keywords: recirculating air, filtration, cabin air, workplaces

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Preference of paper format: oral presentation only