

## **FRACTAL FLUCTUATION OF POLLUTANT CONCENTRATIONS**

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PM10 and ozone are believed to cause respiratory distress and other health hazards in humans. It is therefore of importance to consider their ground-level concentrations. We use a technique previously applied to radionuclide data to analyse series of ground-level measurements of daily and hourly average concentrations of PM10 and ozone. It is found that both PM10 and ozone concentrations vary according to a power law. This occurs at both rural and urban sites. By comparison with radionuclide data it is suggested that the fluctuation of pollutant concentrations is caused by non-linear variation in wind speed.