

***Interactive comment on “Relationship between
particulate matter and childhood asthma – basis
of a future warning system for Central Phoenix”
by R. Dimitrova et al.***

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Thanks for clarifying the “linear regression” approach that has been/ has not been used in your study.

Now, when you addressed my attention to Fig. 5, I'd like to make one more comment. Although there are only 4 points in this plot without error bars, it is quite possible, I guess, that they may show not a linear trend, but an exponential growth of Y when X=PM10 increases from a threshold level of ~ 24 to about 60 mg/m³. Then the rate of increase is slowing down and Y approaches some level of saturation at high X. Of course, this is just a speculation, but for prediction purposes “my scenario” is quali-

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tatively different compared to a continuous approximately linear dependence Y on X.
Does it make any sense to you?

Interactive comment on Atmos. Chem. Phys. Discuss., 11, 28627, 2011.

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