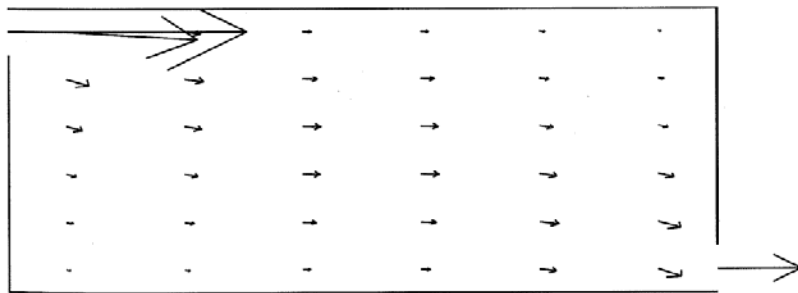


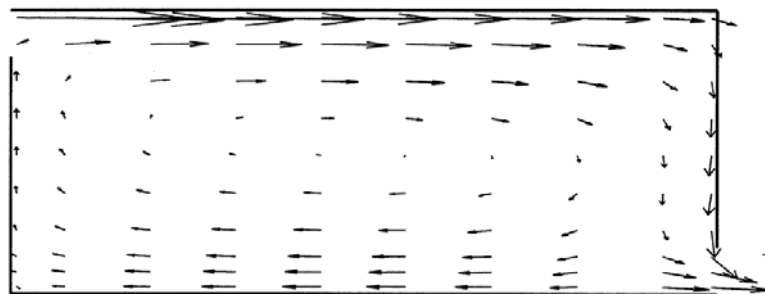
Mora, L., A. J. Gadgil and E. Wurtz, Comparing Zonal and CFD Model Predictions of Isothermal Indoor Airflows to Experimental Data, *Indoor Air* 2003; 13; 77-85.

The article describes the velocity distribution in the “2D Annex 20” room geometry for different zonal models as well as for a coarse-grid CFD solution.

It is concluded that coarse-grid CFD can be a satisfactory alternative to zonal methods where more accurate details are required for predicting air flows and contaminant transport in large indoor spaces connected to a complex multi-zone building.



*Air flow pattern predicted by the Power-law model.*



*Air flow pattern for the 10 x 10 grid k-epsilon CFD model.*