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A PMV Controlled Ventilation Strategy

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ABSTRACT

A PMV Controlled Ventilation Strategy

Designing a comfortable inside climate for office buildings to operate within comfort limits (PMV +/- 0.5) requires a flexible operating strategy. Two systems a VAV and a VHV are identified and compared to each other. Dynamic simulation techniques are used to obtain an optimal design, based upon comfort conditions not temperatures. The control strategies are optimised to minimize energy consumption while controlling the HVAC system to remain within comfort limits in the occupied zone.