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Title: Numerical optimisation of thermal comfort improvement for indoor environment with occupants and furniture

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'Numerical optimisation of thermal comfort improvement for indoor environment with occupants and furniture' by K Horikiri, YF Yao and J Yao

Research Highlights:

- CFD study of indoor thermal comfort of a model room with heat source, furniture and occupants.
- Correlations between heat generation, ventilation velocity and thermal sensation indices (PPD-PMV).
- Sensitivity of location of occupant to flow path and its impact on thermal comfort distributions.
- Thermal comfort optimisation for single and multiple occupants by varying heat generation and flow ventilation velocity.

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