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Sensitivity analysis of energy performance and thermal comfort throughout building design process

Richard Gagnon , Louis Gosselin , Stéphanie Decker

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Highlights

- The sensitivity of energy consumption and comfort in a building is investigated
- 30 design variables related to architecture and HVAC&R systems are considered
- Total energy consumption was influenced by humidity set point and WWRs
- PMV is mostly influenced by infiltration rate, temperature setpoints and insulation
- Sensitivity of variables via traditional or integrated design processes is compared

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