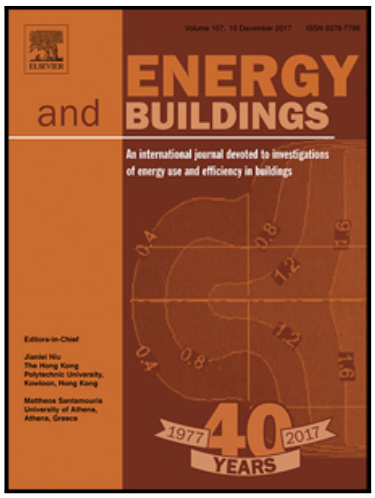

Experimental study on the gas engine speed control and heating performance of a Gas Engine-driven Heat Pump

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Highlights

- An engine speed control model is established and identified by step experiments.
- A gas engine speed control strategy is proposed and applied to control the engine speed of GEHPs.
- The engine speed controller has a good performance in terms of settling time and overshoot.