













- The house with insulation material provides better thermal performance than the conventional wall systems for all six Australian cities.
- Based on major findings and limitation of this study, some future studies have been identified. These recommendations include: i) undertaking a thermal performance study using a full-scale model house with conventional and new house wall systems; ii) exploring a new concept for the roof system, since a significant portion of heat gain/loss is occurred through the roof; and iii) carrying out investigation on the effects of humidity and dynamic heating/cooling loads.
- The house used in this work is an average family house for two adults and two children. In this study, the effect of internal heat gains on heating and cooling performance is not considered due to computational modelling limitation.

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