

## Accepted Manuscript

Title: A hygrothermal dynamic zone model for building energy simulation

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- discussion about the not so simple system of equations which models the dynamics of a wet air zone which couples internally airflow, moisture and heat transfer.
- the model is capable of dealing naturally with saturation conditions.
- it provides a comprehensive wet air model for multi-zone airflow, heat and moisture transfer.
- contrary to other multi-zone models, the zone geometry (not just the volume) has to be taken into account.
- it may stimulate application or modification of the present model, to building energy simulation tools.

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