Accepted Manuscript

Title: A hygrothermal dynamic zone model for building energy simulation

Author: Victor Manuel Soto Frances Emilio Jose Sarabia

Escriva Jose Manuel Pinazo Ojer

PII: S0378-7788(16)31063-5

DOI: http://dx.doi.org/doi:10.1016/j.enbuild.2016.10.002

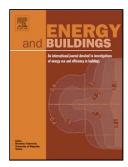
Reference: ENB 7061

To appear in: *ENB*

Received date: 21-7-2016 Revised date: 30-9-2016 Accepted date: 3-10-2016

Please cite this article as: Victor Manuel Soto Frances, Emilio Jose Sarabia Escriva, Jose Manuel Pinazo Ojer, A hygrothermal dynamic zone model for building energy simulation, <![CDATA[Energy & Buildings]]> (2016), http://dx.doi.org/10.1016/j.enbuild.2016.10.002

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

- discussion about the not so simple system of equations which models the dynamics of a wet air zone which couples interally 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.

Download English Version:

https://daneshyari.com/en/article/4919522

Download Persian Version:

https://daneshyari.com/article/4919522

<u>Daneshyari.com</u>