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Using each type of analysis depends on our intention, exactly on what we (SA) and the uncertainty analysis (UA), which is based on a random selection realistic model of a window focused on uncertainties of the input and a sensit described to evaluate a necessity of the use of uncertainty and sensitivity ana to th This paper discusses the ction of a ra A case study

I-ICEL

d in the build gned after a ded in the building thermal pe signed after a detailed bibliog ergy performance class uncert ameter set that takes into acco ng the uncertainty of

ige of sensitivity and uncertainty analysis MCA is based on a random selection of a r d by all calculated as computational mathematica is based on variation of the variables is cal lli 1997)

DESCRIPTION OF THE STOCHASTIC MODEL

: model a Y=F(X ,)

- ministic com
- re the c

OACHES TO THE UNCERTAINTY AND SENSITIVITY ANALYSES: ds of MC-LHS and Morris are considered to be the most suitable me tim Hypercube Sampling: the Monte Carlo analysis is based on re

s S S. of

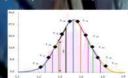


Fig.1 Illustration of the LHS method result

dy of a w heat tr glazing, hea Lab 2.2, the

A case study has been analysed in order to estab 6) which most influences the resulting heat transf (6)

