

CLASSIFICATION OF THE MODELS AND THE MATHEMATICAL MODELS

HRUBINA, K.; WESSELY, E.; MACUROVA, A. & BALCAK, S.

Abstract: *Mathematical model usually failures if there is a lack in information about controlled process. In such a case the procedures of the new scientific branch could be applied, i.e. those of the artificial intelligence whose methods is solution of the problems with constraints. The modelling is a process where other system called model is attached to the searched system, the object, the original according to the certain criterions.*

Key words: *Classification of the models, mathematical models, differential equations*



Authors' data: Ass. Prof. PhD. **Hrubina**, K[amil]; Ass. Prof. PhD. **Wessely**, E[mil]; Dr. PhD. **Macurova**, A[nna]; Eng. **Balcak**, S[tanislav], Technical University of Kosice, Faculty Manufacturing with the Seat in Presov, Department of Mathematics, Informatics and Cybenetics, Bayerova 1, 080 01, Presov, SK, kamil.hrubina@tuke.sk, ewe.@stonline.sk, anna.macurova@tuke.sk, stanislav.balcak@gmail.com

This Publication has to be referred as: Hrubina, K[amil]; Wessely, E[mil]; Macurova, A[nna] & Balcak, S[tanislav] (2008). Classification of the Models and the Mathematical Models, Chapter 29 in DAAAM International Scientific Book 2008, pp. 333-348, B. Katalinic (Ed.), Published by DAAAM International, ISBN 978-3-901509-66-7, ISSN 1726-9687, Vienna, Austria
DOI: 10.2507/daaam.scibook.2008.29