

1086-68-304

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*modeling a building evacuation.*

abstract evacuation process is a set of actions, engaged to ensure human safety in an emergency situations. the main purpose of evacuation is to have people moved from risky locations to safe ones, in a minimum amount of time. since catastrophes cannot be predicted, the challenge is in anticipating problems that may occur, especially those related to human behavior. many evacuation models have been developed, in order to help minimize the evacuation time and maximize the number of rescues. to reach these goals, there are many factors that should be taken into account when developing such models. among these factors are occupant's characteristics and types of relation among them, building architecture (characteristics) and nature or type of emergency. we will see how a variation on one (or many) of these factors would affect the outcome of the evacuation (evacuation time, number of rescues). therefore, it will help us to develop suitable evacuation models for a variety of buildings.

keywords: crowd, crowd behavior, emergency, exit, social interactions. (Received August 17, 2012)