

UTILIZAREA PROCEDURILOR DE MODELARE ȘI SIMULARE PENTRU OPTIMIZAREA FUNCȚIONĂRII LINIILOR DE FLUX

USING THE PROCEDURES MODELING AND SIMULATION TO OPTIMIZE THE FUNCTIONING OF THE FLOW LINES

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Abstract: This paper presents an approach to the problem of flow lines specific textile industry from the perspective of load balancing. There are frequent situations in which afferent operation times vary greatly. In these conditions occur bottlenecks and waiting times very large, all of which influence negatively the productivity. This paper proposes the use of modelling and simulation procedures allowing functioning analysis flow lines, to emphasize the malfunctions and provide information for those who are responsible with management. It analyzed a line of clothing which are made of a textile product. For modelling and simulation is used the Plant Simulation software, it provides a wealth of useful information to decision-makers.

Keywords: Flow lines, narrow places, modelling and simulation.