

ANALYSIS BY SIMULATION OF THE FRACTIONAL FACTORIAL DESIGN OBTAINED BY THE EXPERIMENTAL AND THE NUMERICAL METHOD

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ABSTRACT

In this research we present the experimental and simulation development of the variables that can influence the dimension of the piece, through the molding process. It is made an analysis by simulation of the fractional factorial design 2^{5-1} and the influence of the type of mesh and the number of elements that compose it, on the output variables or answers of obtained quality, and the answers on contraction and compaction in the quality of the dimension.

KEYWORDS: Moulding simulation, design of experiments, quality control

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