
ABSTRACTS

DIFFERENCES IN SIMULATION OF HUMAN OPERATIONS BETWEEN SIMULATION SOFTWARE PROCESS SIMULATE_HUMAN AND TX JACK

(pages 1-8)

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Keywords: process simulate, human, Tx Jack, simulation, modelling

Abstract: Article deals with the use of simulation software to design and optimize the work activities in the industrial enterprise. It is a optimization of the manual operation in connection with the elimination of physical stress of workers through ergonomic analyses that are part of software products and are realized in the process of simulation, specifically, two software products Siemens - Process Simulate module Human with a Texnomatic Jack. The article compared the virtual environment in which the project manager works.

THE POSSIBILITY OF USING CONTROL CHARTS IN QUALITY CONTROL OF THE PRODUCTION PROCESS

(pages 9-15)

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Keywords: statistical process control, control charts, capability index

Abstract: The article we will present on the use of control diagrams (charts) of the production process, specifically to assurance the quality on milling machine. The use and effectiveness in the application in the production process will be evaluated by comparing the waveforms in the diagrams. Various types of diagrams, which operate on different statistical characteristics, were selected as a statistical tool for regulating the detection and assessment of stability of the manufacturing process.

PROPOSAL OF PRESSING PLANT ORGANIZATION USING PROCESS DESIGNER

(pages 17-22)

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Keywords: production process, optimization of space, Process Designer

Abstract: This contribution is focused on optimizing the usage of space in the production process using software Process Designer. The aim of this contribution is to suggest possible improvements to the existing layout of the selected production process. Using the software Process Designer was chosen production process created in the 3D environment. Subsequently, we have proposed the possible solution of weaknesses in production and this proposal was again created in the 3D environment.
