
ABSTRACTS

*Received: 02 Sep. 2017**Accepted: 14 Sep. 2017***INFLUENCE OF PHYSICAL FACTORS OF WORKING ENVIRONMENT
ON WORKER'S PERFORMANCE FROM ERGONOMIC POINT OF VIEW**

(pages 1-9)

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Keywords: physical factors, working environment, noise, vibration, lighting, microclimate

Abstract: The article deals with the optimization of logistic flow of selected company in the area of software module Process Simulate. The aim is to design a logistics flow, which will reduce machine downtime, number of workers during the operation of CNC centres or achievement the elimination of redundant manipulation steps of direct staff. Modelling and simulation of workplace in a software module Process Simulate enables to rationalize it in virtual environment, which will contribute to cost savings that are expended in the process of direct implementation of the proposals in practice.

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(pages 11-15)

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Keywords: Computed Tomography, principle, machine, modelling

Abstract: CT (Computed Tomography) displaying is non-invasive diagnostic method, which has begun to apply in medicine since the beginning of the 70s and it has progressively become an irrecoverable part of the complex of imaging methods used by modern medicine. CT scanning made a remarkable effect on medical practise and diagnosis. The main principle of CT is based on attenuating of X-ray radiation beam passing object as in conventional X-ray examination. This article briefly describes the development and underlying principles of this non-invasive imaging technique.
