

Finite-element quantitative analysis of the stability of portable radiographic control equipment to the factors of a transport accident

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A method for quantitative finite element verification of the stability of portable radiographic monitoring equipment to the factors of a transport accident at the stage of automated design of a mathematical solid-state model of a shutter-type radiation head using software systems: "ZENIT-95" and "LS-DYNA" is proposed for consideration.

Keywords: stability, emergency transportation, software package, simulation of shock and thermal effects, finite element calculations.

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