

Model of the Formation of Functional Damage to Human Body

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key words

subject of analysis, vita-technologies, simulation modeling, probabilistic modeling, predictive assessment

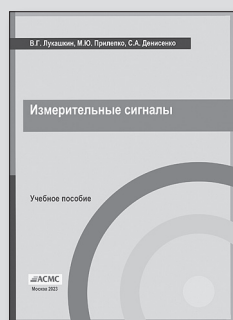
A model is proposed that allows to formalize the functional damage of the body at key stages of its life cycle from probabilistic positions. Functional and biological damage is understood as a generalized indicator of the state of the human body, which comprehensively characterizes its vita-resource parameters responsible for life expectancy. The structure of the model is analyzed and an example of numerical calculation is carried out. The directions of development of the proposed approach as one of the means of information and methodological support of technologies, including in the field of digital medicine, are outlined. The solution of this problem is important for the purposeful realization of the potential of anti-aging vita-technologies in the broadest sense of the word.

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