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**ІNFORMATION TECHNOLOGY AND MODELS OF CORROSION MEASUREMENT FOR SURFACE LAYERS OF METALS**

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***Research methodology:*** *a systematic analysis, synthesis, simulation, analogy, measurement, logical method, based on the principles of information technology of calculation and identification of mechanic-electric-thermo-diffusion parameters of the construction elements with defects in aggressive environment.*

***Results.*** *The methods, models and information technology make the theoretical basis of the practical aspects of the analysis of corrosion processes for evaluating the states of construction materials that are in aggressive environment.*

***Novelty.*** *The conceptual model of computer information technology has been developed, which involves the use of physical and mathematical models to calculate and analyze the power characteristics of the surface layers of metals in aggressive environment.*

***The practical significance.*** *The methods, models and information technology make the theoretical basis of the practical aspects of the analysis of corrosion processes for evaluating the states of construction materials that are in aggressive environment.*