

Od výukového modelu k identifikaci fyziologického systému

From educational models towards identification of physiological system

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Modeling gives an simplified view on the physiology of human body using mathematical equations and non-trivial relations could be seen. Validation of a model on the specific pacient can give exact estimation of quantities which are usually not measurable or measurable with extra high effort. Validating of an educational model and so-called identifiacion of physiological system could be done using optimization algorithms. We show an identification method on the last model HumMod. For computation purpose we utilized computation capacity of the desktop PC on laboratory and formed a desktop grid system.