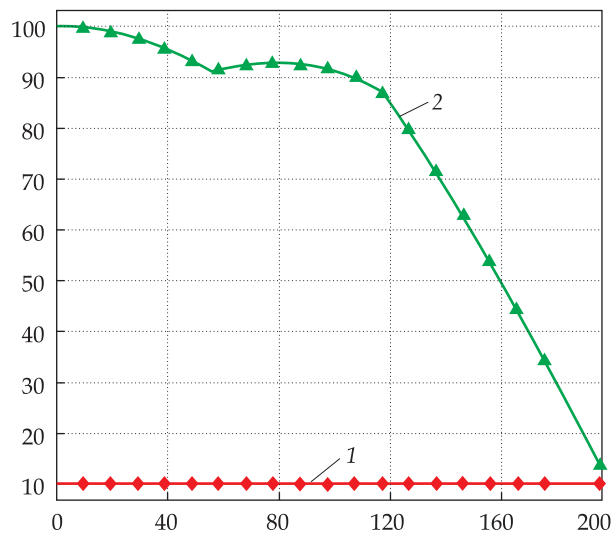
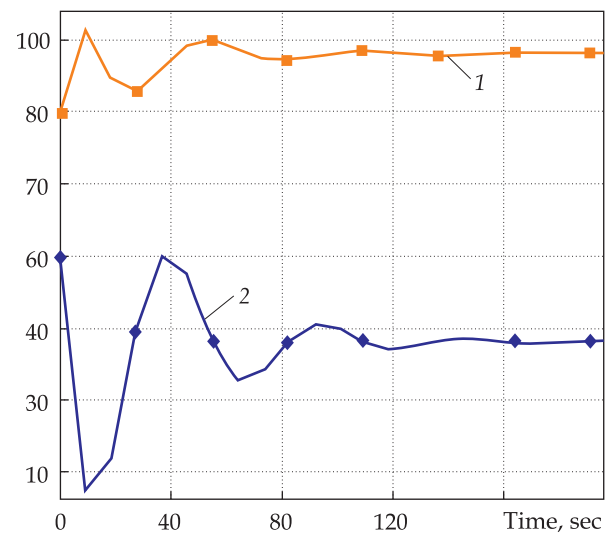


SimEnPhysiol SOFTWARE APPLICATION



Simulation of insulin-glucose model: insulin (1) and glucose (2) dynamics



Simulations of cardiovascular model: mean arterial pressure (1) and heart rate (2) dynamics

Areas of Application

The software is to be used for simulating the processes that occur in the human body in response to temporary or chronic lack of energy (ATP molecules) in the cells. It allows the user to build a scheme of computer simulation, to implement it, to build graphs of selected physiological characteristics, and to analyze the cause-and-effect relationship. The software can be used by the physiologists to deeper understand the principles of physiological supersystem operation and to find adequate methods for researching such systems, as well as by the students of medical establishments to comprehensively study physiology

Specification

SimEnPhysiol is the first ever application software tool that combines the energy producing mechanisms at the cellular level with the mechanisms supporting the aerobic ATP synthesis in the whole organism

Advantages

SimEnPhysiol has no counterparts

Stage of Development.
Suggestions for Commercialization

IRL6, TRL4
Customization upon request

IPR Protection

IPR1

Contact Information

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