

# INFORMATION-MEASURING SYSTEM FOR PROTECTION OF VITAL PROCESSES OF HUMAN BEING

H. N. Rozorinov<sup>1,\*</sup>, N. I. Chichicalo<sup>2</sup>

<sup>1</sup>*National Technical University of Ukraine "Kiev Polytechnic Institute", Kiev, Ukraine;*

<sup>2</sup>*State University of Telecommunications, Kiev, Ukraine*

\*E-mail: [grozoryn@gmail.com](mailto:grozoryn@gmail.com)

Information-measuring system for detection of temperature field (homeostasis) of human being, used for prophylaxis control of temperature distribution process on the surface of body and self-diagnostics, and also evaluation of effect of outside factors, for example, organism reaction on food products, medical drugs, medical procedures etc. is proposed.

According to achieved results of system representation of information, the variants of information technologies for protection of vital processes of human being were developed. The usage of modern means of electronic and microprocessor technology, and special software enabled the development of high technology, easy to use and low cost device either for usage in common conditions, or for monitoring in medical centers.

Self-diagnostics procedure held with the help of common devices protects the patient from wrong diagnosis. At the same time, this leads to escalation of responsibility of medical centers.

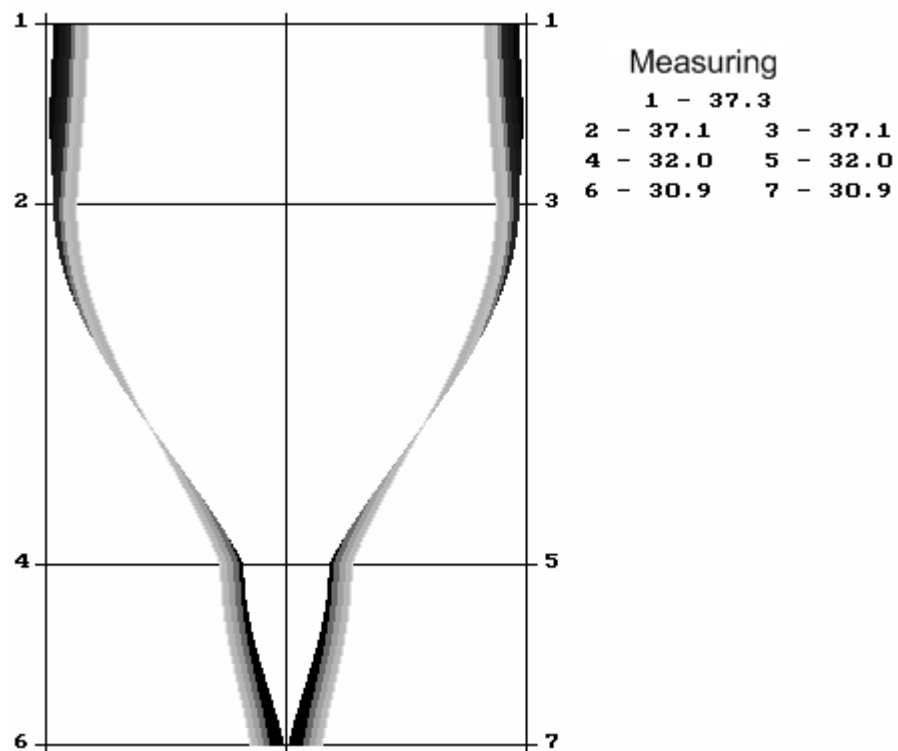


Figure 1. Fragment of temperature field of human being