

**Algorithmic Maintenance of the Knowledge Base
of Intellectual Information-Measuring System
for Determining Thermo-Physical
Properties of Materials**

A.Yu. Lubimov, Z.M. Selivanova

Tambov State Technical University, Tambov

Key words and phrases: intellectual system; information-measuring system; knowledge base; thermo-physical properties.

Abstract: The paper introduces the information environment for creating the knowledge base and mathematical model for information inquiry by the user as well as the solution to the problem of classification of the investigated materials, allowing to develop the algorithm of information search for extraction of knowledge and decision-making in the course of functioning of the intellectual information-measuring monitoring system.