

**LEGAL AND MATHEMATICAL MODEL OF THE LAW SYSTEM,
LEGAL RELATIONS AND LEGAL LIABILITY**

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The purpose of the article is theoretical justification of fundamental legal concepts enterprises through copyright legal-mathematical model of the system of law, legal relations and legal liability. Scientific results obtained by the author: 1) reasonable definition of freedom, good, evil and justice; 2) the formulation of the main axioms of law; 3) introduction to scientific use different elementary charged z- and s-particle systems of law; 4) the structure of the mathematical model linking subjective rights and legal duties; 5) creating a mathematical model of an ideal (theoretical) legal relationship; 6) construction of mathematical dependences of acts from freedom; 7) the building of mathematical based assessment acts from acts.

Key words: law, legal relationship, system of law, subjective of rights, legal responsibilities, freedom, justice, mathematical function, substance, energy, s-particles, z-particles, legal responsibility, good, evil.