

## **Specialization**

### **Mathematical and computer methods in dynamic modeling**

#### **Systems**

#### **Specialty 111 Mathematics**

The direction of training is aimed at research, development and modernization of modern Mathematical methods and algorithms using computer tools.

#### **Issuing Department:**

Department of Mathematical Physics <http://kmf.kpi.ua/>

The head of the department: Ivasishen Stepan Dmitrievich

Tel .: 204-82-46.

#### **Students study:**

- Modern methods of constructing and optimizing mathematical and computer models.
- Analytical and computer research methods for dynamical systems.
- Regular and deterministic chaotic processes of dynamic systems.
- Mathematical control theory.
- Simulation of the problems of mathematical physics.

Masters of specialization "Mathematical and computer methods in dynamic modeling

Systems "are engaged in development of new technologies of complex construction

Mathematical and computer methods and algorithms for research and decision

Complex problems of optimization of dynamic systems and complicated mathematical problems

Physics

#### **Opportunities:**

- Study on academic mobility in the European Union
- Employment in research structures, public and private

Institutions engaged in the manufacture of science-intensive products

- Degree in Doctor of Philosophy.