



<b>Name</b>	Mariia Skitska
<b>Position, Department/Faculty</b>	Associate Professor, Department of Higher Mathematics and System Analysis
<b>Academic Degree, Academic Title</b>	PhD in Applied Mathematics
<b>Email:</b>	m.skitska@khai.edu
<b>Scopus Author ID:</b>	59249590700
<b>Web of Science ResearcherID:</b>	
<b>ORCID iD:</b>	0009-0008-8945-606
<b>Google Scholar:</b>	<a href="https://scholar.google.com/citations?user=wySNn0sAAAAJ&amp;hl=ru">https://scholar.google.com/citations?user=wySNn0sAAAAJ&amp;hl=ru</a>
<b>ResearchGate:</b>	

## EDUCATION:

### Basic education (university, major, year of graduation):

National Aerospace University "Kharkiv Aviation Institute", Master's Degree. Program Subject Area "System Analysis". Educational program "System Analysis and Management", 2019

### Postgraduate/Doctoral studies:

The Specialized Academic Council at the National Aerospace University "Kharkiv Aviation Institute" conferred the degree of Doctor of Philosophy (PhD) in the field of study Mathematics and Statistics, programme subject area Applied Mathematics. Diploma No. N25 № 001901, issued on July 14, 2025.

## WORK EXPERIENCE:

### Professional Career (Workplace, Years, Position):

Assistant of Department of Higher Mathematics and System Analysis, since 2 November 2020 to 31 August 2025.

Associate Professor of Department of Higher Mathematics and System Analysis, since 1 September 2025 to present.

### Teaching Experience:

2020–present.

## RESEARCH ACTIVITIES:

### Main Research Areas:

Mechanics of deformable solids  
Thermoelasticity of bodies with spherical inclusions, cavities, and inhomogeneities  
Mathematical modeling of thermoelastic processes  
Methods of optimal control of temperature fields



**Number of Publications (Scopus, WoS, others):**

4 (1 Scopus)

**Participation in Scientific Conferences:**

6

**TEACHING ACTIVITIES:****Courses Taught:**

*Higher Mathematics* — 2021–present.

*Integrated Technologies of Multidimensional Data Analysis* — 2020–present.

*Information Technologies and Integrated Management Systems* — 2020, 2022.

**Author Courses, Academic Programs:**

Higher Mathematics

Integrated Technologies of Multidimensional Data Analysis

Modern Programming Technologies

**PROFESSIONAL ACHIEVEMENTS AND AWARDS:****Membership in Professional Associations:**

Active member of the public organization "Ukrainian Scientific and Educational IT Society" since 28.06.2024. Certificate No. 24-00039 FS

**SELECTED PUBLICATIONS:****Key Articles (Scopus, WoS, others):**

1. Ніколаєв О. Г., Скіцка М.В. Локальна модель термопружного стану пористого матеріалу // Вісник національного технічного університету «ХПІ». Серія: Математичне моделювання в техніці та технологіях. – 2023, № 1. – С. 92-100. DOI: 10.20998/2222-0631.2023.01.24
2. Nikolaev O., Skitska M. The method of determining optimal control of the thermoelastic state of piece-homogeneous body using a stationary temperature field // Radioelectronic and Computer Systems. – 2024, no. 2(110). Pp. 98-119. DOI: 10.32620/reks.2024.2.09 (Scopus)
3. Nikolaev, O. G., Skitska, M. V. Thermoelastic problem for a space with two inclusions and heat generation // Проблеми обчислювальної механіки і міцності конструкцій. – 2024, вип. 38. С. 248 – 268. DOI: 10.15421/4224119
4. Nikolaev, O. G., Skitska, M. V. Classical problem about an elastic sphere with a spherical inclusion // Вісник Національного технічного університету «ХПІ». Серія: Математичне моделювання в техніці та технологіях. – 2025, № 1(8). – С. 107-119. DOI: 10.20998/2222-0631.2025.01(8).13

**Links to Citation Database Profiles:**

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Google Scholar: <https://scholar.google.com/citations?user=wySNn0sAAAAJ&hl=ru>

**ADDITIONAL INFORMATION:**



**Language Proficiency:**

Ukrainian – native

English – intermediate

Russian – fluent

**IT Skills:**

C++, C#, MATLAB

**Social and Community Activities:**

Participation in organizing and conducting the City Open Mathematical Quest-Competition "Space Math Magic: Stars of Kharkiv" 2024 for school students.