



Name	Anatolii Kyrpikin
Position, Department/Faculty	Associate professor, Department of Aircraft Strength (102), Faculty №1
Academic Degree, Academic Title	Ph.D., Associate professor
Email:	a.kyrpikin@khai.edu
ORCID iD:	0000-0001-7050-1327
Google Scholar:	https://scholar.google.com/OPQ13DQAAAAJ&hl=ru

EDUCATION:

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

National Aerospace University «Kharkiv Aviation Institute», Mechanical engineer, Design and Manufacture of Aircraft, 1966

Postgraduate/Doctoral studies:

Postgraduate student at the National Aerospace University «Kharkiv Aviation Institute», 1971-1973

Additional training, certification programs:

National Aerospace University «Kharkiv Aviation Institute», Quality management system for the educational services, 2023

National Aerospace University «Kharkiv Aviation Institute», Terminological and methodological support for Ukrainian-language academic activities, 2022

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

Central Aerohydrodynamic Institute, 1966-1970, engineer.

National Aerospace University «Kharkiv Aviation Institute», Department of Aircraft Strength, Senior Researcher, 1975-1979, National Aerospace University «Kharkiv Aviation Institute», Department of Aircraft Strength, Senior Lecturer, 1979-1995, National Aerospace University «Kharkiv Aviation Institute», Department of Aircraft Strength, Associate Professor of the Department of Aircraft Strength, National Aerospace University «Kharkiv Aviation Institute», 1995-2025

Teaching Experience:

Senior Lecturer of the Department of Aircraft Strength, National Aerospace University «Kharkiv Aviation Institute», Associate Professor of the Department of Aircraft Strength, National Aerospace University «Kharkiv Aviation Institute»,

RESEARCH ACTIVITIES:

Main Research Areas:

testing of airplane and its components for static and fatigue strength, loading of airplane in flight taking into account the elasticity of the structure, the effect of fatigue on the physical characteristics



of materials and structures, predicting the durability of structures based on changes in physical characteristics

Number of Publications (Scopus, WoS, others):

56 publications in scientific journals, including 5 publications indexed in Scopus and WoS

Monographs, Textbooks:

one monograph

Participation in Scientific Conferences:

19 conference participations

TEACHING ACTIVITIES:**Courses Taught:**

- Strength of airplane
- Helicopter strength
- Airplane reliability
- Aeroelasticity
- Mechanics of materials and structures
- Structural mechanics
- Strength analysis of airplane (in English)

Author Courses, Academic Programs:

- Helicopter strength
- Airplane reliability
- Aeroelasticity
- Strength analysis of airplane (in English)

Methodological Materials, Textbooks:

11 methodological Materials and Textbooks in various disciplines

INTERNATIONAL ACTIVITIES:

Participated in international scientific conferences

Teaching/Lecturing Abroad:

Lectures in Iran on "Helicopter strength"

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

Mykhailo M. Grebennikov, Oleksandr H. Dibir , Anatolii O. Kyrpikin, Mykola I. Pekelnyi. USE OF LOGARIFMIC DECREMENT OF OSCILLATION DAMPING FOR PREDICTION OF THE AVIATION STRUCTURES SERVICE LIFE. Journal of Mechanical Engineering – Problemy Mashynobuduvannia.



National Academy of Science of Ukraine. ISSN 2709-2984 (Print), 2709-2992 (Online), Issue Vol. 26, no. 1, 2023 (March), Pages 23-28.
<https://doi.org/10.15407/PMACH2023.01.021>;

Mykhailo M. Grebennikov, Oleksandr H. Dibir, Anatolii O. Kyrpikin, Mykola I. Pekelnyi. Calculation of the Tubular Elements Made of Pressed Profiles. Journal of Mechanical Engineering – Problemy Mashynobuduvannia. National Academy of Science of Ukraine. ISSN 2709-2984 (Print), 2709-2992 (Online), Issue Vol. 26, no. 3, 2023 (September), Pages 28-32,
<https://doi.org/10.15407/PMACH2023.03.028>;

Mykhailo M. Grebennikov, Oleksandr H. Dibir, Anatolii O. Kyrpikin. Discretization of Thin-Walled Sections with Variable Wall Thickness. Journal of Mechanical Engineering – Problemy Mashynobuduvannia. National Academy of Science of Ukraine. ISSN 2709-2984 (Print), 2709-2992 (Online), Issue Vol. 27, no. 3, 2024 (September), Pages 34-41,
<https://doi.org/10.15407/PMACH2024.03.034>

Books, Chapters in Collective Monographs:

Grebennikov O.G., Graivoronskii V.E., Kyrpikin A.O. Helicopters. Monograph. Kharkiv: National Aerospace University «Kharkiv Aviation Institute», 2016. 566 p.

ADDITIONAL INFORMATION:

Language Proficiency:

English, Ukraine, Nederlands

IT Skills:

MS Office, Nastran-Patran, SolidWorks, MathCad, CorelDRAW Technical

Social and Community Activities:

Member of the Kharkiv House of Scientists

