

**Federal State Budgetary Educational Institution of Higher Education
“Kerch State Maritime Technological University”**

**Federal State Autonomous Educational Institution of Higher Education
“Moscow Polytechnic University”**

**Federal State Autonomous Educational Institution of Higher Education
“Sevastopol State University”**



**МОСКОВСКИЙ
ПОЛИТЕХ**



PROGRAMME

Recent Achievements and Prospects of Innovations and Technologies

**Proceedings of XVI All-Russian Science-Practical Conference
of Students, Postgraduates and Young Scientists
(Kerch, April 23, 2025)**

ПРОГРАММА

**«Достижения и перспективы инноваций и технологий»
Материалы XVI Всероссийской научно-практической конференции
студентов, аспирантов и молодых учёных
(г. Керчь, 23 апреля 2025 г.)**



Kerch 2025

ОРГКОМИТЕТ КОНФЕРЕНЦИИ

Председатель – Е.П. Масюткин – кандидат технических наук, профессор, ректор Керченского государственного морского технологического университета, г. Керчь

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Члены оргкомитета:

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РАБОТА КОНФЕРЕНЦИИ:

Конференция состоится 23 апреля 2025 г. в ФГБОУ ВО «Керченский государственный морской технологический университет» по адресу:

г. Керчь ул. Орджоникидзе 82

Формат конференции: очная

Участники, приславшие видео-доклады, участвуют в конкурсе (дипломы 1,2 и 3 степени).

Заочное участие предполагает публикацию докладов.

10.00-10.30 – регистрация участников конференции

10.30-11.00 – открытие конференции, пленарное заседание

11.00-14.00 – работа секций, круглый стол с подведением итогов работы

ФОРМАТ КОНФЕРЕНЦИИ: Конференция будет проходить в очном формате.

Регламент конференции

Выступления на пленарном заседании – 5-7 мин

Выступления по секциям – 5 мин.

Пленарное заседание

Ивановский Николай Владимирович, канд. техн. наук, доцент, декан морского факультета, ФГБОУ ВО «Керченский государственный морской технологический университет», г. Керчь

Сметанина Ольга Николаевна, канд. пед. наук, доцент, заведующая кафедрой

VIDEO PRESENTATIONS

APPLICATION OF AUTONOMOUS AND REMOTELY OPERATED UNDERWATER ROBOTS IN THE OIL AND GAS INDUSTRY

<https://cloud.tpu.ru/index.php/s/RnKMSravi7bfSJH?dir=undefined&openfile=2775723>

Konstantin A. Tsurkan

2nd year student, Engineering school of Mechatronics and Robotics,
Tomsk Polytechnic University,

Natalia V. Aksenova

PhD in literature, associate professor,
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Tomsk State University

GAME ENGINE DEVELOPMENT AS A WAY TO GAIN PROFESSIONAL SKILLS

<https://cloud.tpu.ru/index.php/s/RnKMSravi7bfSJH?dir=undefined&openfile=2775523>

Vladimir V. Lobanov

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Tomsk Polytechnic University,

Vitaly A. Korovkin

Scientific advisor, senior lecturer,
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AUTOMATIC IDENTIFICATION OF PROBLEMATIC ONLINE DISCUSSIONS

<https://cloud.tpu.ru/index.php/s/RnKMSravi7bfSJH?dir=undefined&openfile=2775523>

Arthur V. Zaida

4th year student, School of Computer Science & Robotics,
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Nataliia V. Aksenova

Scientific advisor, associate professor,
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Tomsk State University

DEVELOPMENT OF DECENTRALIZED INFORMATION SYSTEMS

<https://cloud.tpu.ru/index.php/s/RnKMSravi7bfSJH?dir=undefined&openfile=2775551>

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ANALYSIS OF MODERN CODE GENERATION SYSTEMS

[https://drive.google.com/file/d/1t14VOGY0SWuOp_GNjs4PFS0Fc6q_ChU/view?usp=sha](https://drive.google.com/file/d/1t14VOGY0SWuOp_GNjs4PFS0Fc6q_ChU/view?usp=sharing)
ring

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THE MEANS OF IMPLEMENTING THE CONFRONTATIONAL COMMUNICATIVE TACTIC OF THREAT IN NANCY PELOSI'S SPEECHES

<https://cloud.mail.ru/public/9eXu/uJ3ZW4ugC>

Olesia Yu. Zisko

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National Research Tomsk Polytechnic University

SOLVING THE PROBLEM OF AUTOMATING THE FORMATION OF THE DISCIPLINE'S WORK PROGRAM

<https://drive.google.com/file/d/1JOu7sfCuNaKj1y3W77eCEhRN8-ZAkXRj/view?usp=sharing>

Maxim O. Feklin

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MATHEMATICAL MODELLING OF REACTION FURNACE COIL WEAR RESISTANCE

<https://cloud.mail.ru/public/JtxB/CZBbNQAk2>

Anna V. Alina

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Anna A. Syskina

Linguistic Supervisor, associate professor,
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INNOVATIVE APPROACHES TO GAS HYDRATE PRODUCTION MODELING BASED ON NUMERICAL SIMULATION

<https://disk.yandex.ru/d/8GsgFLZN08UNHA/%D0%A2%D0%B5%D1%80%D0%BA%D0%B8%D0%BD%D0%B0%D0%9A%D0%B5%D1%80%D1%87%D1%8C2025.mp4>

Angelina K. Terkina

1st year Master's student, Chemical Engineering,
National Research Tomsk Polytechnic University,

Natalia V. Aksenova

Scientific advisor, senior lecturer, associate professor
Foreign Languages Department,
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**CREATING AN ALGORITHM FOR CONVERTING TEXT IN AN
INCORRECT LAYOUT AND INTEGRATING IT INTO TEXT EDITORS
USING C++**

<https://cloud.mail.ru/public/Jt9Q/Y3eXHJSYp>

Anastasia R. Vasilyeva

2nd year student, Institute of Information Technology,

Daria O. Tretyakova

2nd year student, Institute of Information Technology,

Tatiana I. Smetanina

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**RESEARCH ON THE IMPACT OF IMAGE RESOLUTION REDUCTION AND THE
APPLICATION OF SUPER-RESOLUTION MODELS FOR RESTORATION AND
FINE-TUNING OF PRE-TRAINED MODELS TO IMPROVE IMAGE
CLASSIFICATION ACCURACY**

<https://cloud.mail.ru/public/jV38/Jck5Tgeow>

Alexander V. Bushuev

2nd-year Master's student, Department of Information Systems and Technologies,

Anton P. Toporkov

2nd-year Master's student, Department of Information Systems and Technologies,
Sevastopol State University

**PROBLEMS OF OIL PRODUCTION IN RUSSIA: TRENDS AND
DEVELOPMENT PROSPECT**

<https://drive.google.com/file/d/1kzLKCuft5ykMh2IlyfFTcqFA-fAX4jwY/view?usp=drivesdk>

Alexey V. Kochurkov

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Vladimir V. Petin

1st year student, Department of Petroleum Engineering,
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Irina V. Sharf

Supervisor, Professor, Department of Petroleum Engineering,
National Research Tomsk Polytechnic University

**ANALYSIS AND COMPARISON OF PERFORMANCE INDICATORS OF
RADIO COMMUNICATION EQUIPMENT FROM VARIOUS
MANUFACTURERS ON A SHIP**

<https://drive.google.com/file/d/1jgLVzH5agXI7Yy8afkwvWWTMy-lzeKl6/view>

Nikita A. Ermakov

3rd year graduate student, Department of Radio Electronics and Telecommunications,

Anatoliy V. Melnikov

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**NEW WORDS RELATED TO THE NATURAL ENVIRONMENT IN THE
MERRIAM-WEBSTER DICTIONARY: THEMATIC STRUCTURE
AND DYNAMICS**

https://disk.yandex.ru/d/AzYD_o4u9PIxWQ

Polina A. Osipenko

1st year student, Institute of Applied Mathematics and Computer Science,
National Research Tomsk State University,

Denis V. Shepetovsky

Senior Lecturer, Department of English In the field of
Scientific Communication, Faculty of Foreign Languages,
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SECTIONS WORK

SECTION 1: ENGINEERING INNOVATION PROCESSES

MATHEMATICAL MODELLING OF REACTION FURNACE COIL WEAR RESISTANCE

Anna V. Alina

1st year master's student, Division for Chemical Engineering
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Anna A. Syskina

Linguistic Supervisor, associate professor,
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OPTIMIZATION OF ENERGY CONSUMPTION IN SMART HOMES USING ARTIFICIAL INTELLIGENCE

Ilyas D. Al Khouri, Ilya P. Lekhkar, Anna A. Telesheva

3rd year students, Radio Electronics and Intelligent Technical Systems Department,

Dmitriy G. Murzin

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Sevastopol State University

REVIEW OF THE FEATURES OF THE SPECTRAL DENSITIES OF COLORED TYPES NOISE

Asan N. Asanov

*Second-year bachelor's student, Department of «Radio Electronics and
Telecommunications»,*

Dmitriy Yu. Zelenkevich

Assistant, Department of «Radio Electronics and Telecommunications»,

SECURITY SYSTEM BASED ON THE Z-WAVE NETWORK

Vladislav A. Babich

Magistracy student, Radio-Electronics and Telecommunications Department

Sergey V. Deorditsa

associate professor, Electronic engineering Department

Dmitriy G. Murzin

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THEORETICAL MODEL OF IMPROVEMENT OF HAND PROSTHESIS TECHNOLOGY

Ivan Bazhan

4th year cadet, Faculty of Special Weapons,
Black Sea Higher Naval Orders of Nakhimov and
the Red Star School named after P.S. Nakhimov

Mariya Yu. Koroleva

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DEVELOPMENT OF THE TOPOLOGY OF THE ZERO CORRECTOR FOR THE DIGITAL ADC CODE

Maxim S. Belenko

4th year student, Department of Radio Electronics and Telecommunications,

Matvey D. Filippov

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MAIN DIRECTIONS OF DEVELOPMENT OF MARITIME TRANSPORT IN THE ARCTIC

Maxim Yu. Besolov

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Maritime Institute named after Vice-Admiral V.A. Kornilov -
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"Admiral F.F. Ushakov State Medical University"

DEVICE OF USER IDENTIFICATION IN ACCESS CONTROL AND MANAGEMENT SYSTEM

Vladislav A. Bondarenko

2nd year student of master's degree

Elena A. Redkina

Scientific advisor, Candidate of Technical Sciences, Associate Professor
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MODEL OF A SEA BUOY FOR MONITORING ENVIRONMENTS IN THE ARCTIC REGION

Maksim A. Durmanov

Assistant Professor, Radioelectronic and Telecommunication Department,

Aleksey S. Gromov

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FEATURES OF NUMBER REPRESENTATION IN COMPUTER MEMORY

Alexandra S. Fatkulina

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SUM OPERATION OF FLOATING-POINT NUMBERS IN DIGITAL CIRCUITS

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DEVELOPMENT AND IMPLEMENTATION OF A BAND-PASS FILTER FOR THE FREQUENCY RANGE OF 268—298 MHz

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DESIGN AND IMPLEMENTATION OF MATCHING CIRCUITS FOR AN EMERGENCY RADIO BEACON ANTENNA

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SIGNAL-CODE CONSTRUCTIONS IN THE 6TH GENERATION MOBILE COMMUNICATION SYSTEM

Roman R. Gasparyan
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Alexandr A. Savochkin
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FEATURES OF THE IMPLEMENTATION OF A LAB STAND FOR BGP STUDY

Aleksandr A. Gederim
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Elena A. Redkina
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A SYSTEM FOR AUTOMATING REQUESTS FOR STUDENTS' SCHEDULES USING A TELEGRAM-BOT

Konstantin S. Gorblyansky, a graduate student,
Elena A. Redkina
Scientific advisor, Candidate of Technical Sciences,
Associate Professor of Department of Radioelectronics and
Telecommunications of Sevastopol State University

MODES OF MOTION OF THE BALL FEED IN PLANETARY AND BALL MILLS

Taisiya S. Guseva
Assistant, Yurga Technological Institute

RAINY IMAGES STATIONARY BACKGROUND EXCLUSION ALGORITHM

Vladislav A. Ivanov
2nd year postgraduate student, Radioelectronics and Telecommunications Department,
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Docent, Radioelectronics and Telecommunications Department,
Yuri P. Mickhayluck
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RESEARCH STUDY OF DISCONE ANTENNA DEPENDING ON GEOMETRIC CONFIGURATIONS

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Maxim S. Belenko

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ANTENNA ARRAY OF DISCONE RADIATORS FOR DIGITAL DIRECTION FINDER

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MULTIFREQUENCY ANTENNA SYSTEM WITH YAGI-UDA RADIATORS

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Maxim S. Belenko

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DEVELOPMENT OF THE ANTENNA SYSTEM IN FREQUENCY RANGE OF 800 — 900 MHZ

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DEVELOPMENT OF A MATCHING DEVICE DESIGN WITH PRINTED SPIRAL ANTENNA

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STUDY AND DESIGN OF A SYSTEM OF AUTOMATED SPECIAL ACCESS BASED ON BIOMETRICS

Yaroslav A. Kirdanov

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Elena A. Redkina

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MODELING OF UNIDIRECTIONAL TURNSTILE ANTENNA

Nikolai V. Kolba

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TWO-SECTION MICROSTRIP ANTENNA WITH STRIP LINE FEEDING

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THREE-SECTION MICROSTRIP ANTENNA WITH ROTATING POLARIZATION OF RADIATION

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A DEVICE FOR NOTIFYING THE STATUS OF A ROOM DOOR ON TELEGRAM

Oleg K. Kozmenko, graduate student,

Dmitry G. Murzin

Scientific advisor, Candidate of Technical Sciences,

Associate Professor of Department

Technologies Department, Sevastopol State University

CHARACTERISTICS OF ACOUSTIC WAVE PROPAGATION IN UNDERWATER CHANNEL

Maria M. Krivozerova

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Assistant at the Department of «Radio Electronics and Telecommunications»,
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BEACH MEASURING BUOY

Danila S. Lozhkin

2nd year student, Radioelectronic and Telecommunication Department

Daniil G. Suchok

2nd year student, Radioelectronic and Telecommunication Department

Maksim A. Durmanov

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LABORATORY STAND FOR STUDYING ANTENNAS FOR CONTROL AND NAVIGATION SYSTEMS FOR UNMANNED AERIAL AND SURFACE VEHICLES

Artyom I. Lyubarets

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2nd-year student, Department of Radioelectronic and Telecommunication,

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Mikhail O. Tkachenko

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WINDSHIELD HEAD-UP DISPLAY SYSTEM

Nicole M. Lysenko, Elizaveta Litovko

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Yuri T. Tyschuk

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CALCULATION OF RADIATION CHARACTERISTICS AND INPUT CHARACTERISTICS OF AN ANTENNA ARRAY FOR MOBILE COMMUNICATION SYSTEMS

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Elizaveta Litovko

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THE DESIGN FEATURES REVIEW OF LASER VIBROMETERS

Artyom I. Lyubarets

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Alexander S. Manko

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DESIGN AND RESEARCH OF PRECODING MATRIX FOR MIMO 4x4 ANTENNA ARRAY WITH MODIFIED RADIATION PATTERN AND POLARIZATION PERFORMANCE

Alexander S. Manko

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HIGH-VOLTAGE POWER SUPPLY FOR POWERING PHOTOELECTRONIC MULTIPLIERS

Gleb R. Mikhailik

4th year student, department of «Radioelectronics and telecommunication»,

Pavel P. Ovcharov

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THE INFLUENCE OF THE PHONOGRAM CREST FACTOR ON THE ENERGY CHARACTERISTICS OF A LOW FREQUENCY AMPLIFIER

Arsen E. Muratov

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Denis V. Kapnopulo

1st year student, Department of Radioelectronics and telecommunications,

Anatolii V. Melnikov

cand. tech of sciences, associate professor

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Igor L. Afonin

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DESIGN OF A WIDEBAND CML STATIC FREQUENCY DIVIDERS FOR RF CMOS 28 NM

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Alexander M. Andreychuk

1st year student, Department of Radioelectronics and telecommunications,

Denis V. Kapnopulo

1st year student, Department of Radioelectronics and telecommunications,

Vladislav V. Savinov

Senior lecturer, Department of Radioelectronics and telecommunications,
Valeriy V. Vertegel
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EXTRACTING VITAL SIGN PARAMETERS OF MILLIMETER WAVE RADAR OUTPUT SIGNAL USING DR-MUSIC ALGORITHM

Artem I. Nesterenko
Engineer of LTD «SevSU Engineering Center»,
Vladimir O. Poluboyarcev
Engineer of LTD «SevSU Engineering Center»,
Anatoly A. Eskov
Engineer of LTD «SevSU Engineering Center»,
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PCB BROADBAND UHF LOOP DIPOLE

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STUDY OF FBMC TRANSMITTING-RECEIVING PATH OPERATION IN A COMMUNICATION CHANNEL

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RESULTS OF IMPLEMENTATION OF CONTACTLESS SENSOR FOR BREATH RATE AND HEART RATE MEASUREMENT

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**THE COSMIC RADIATION TYPES, ORIGIN AND METHODS OF STUDY
OVERVIEW**

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**ISSUES OF IMPLEMENTATION OF SECONDARY BOOTLOADER
FIRMWARE FOR AWR6843 CONTROLLER WITH COMMUNICATION AND
FLASHING FIRMWARE VIA CAN INTERFACE**

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**DEVELOPMENT OF A HARDWARE-SOFTWARE COMPLEX FOR
MAGNETIC-DRIVEN COAGULATION CONTROL IN MINIMALLY
INVASIVE THERAPY**

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PESSIMISTIC ESTIMATION FOR RECTANGULAR 3D DECOMPOSITION

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A THEORY OF NAVIGATION TECHNOLOGIES FOR AUTONOMOUS UNDERWATER VEHICLES

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LOOP ANTENNA WITH ADDITIONAL BENDS PERPENDICULAR TO THE PLANE OF THE LOOP

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LABORATORY STAND FOR STUDYING THE PRINCIPLES OF CONTROL AND MANAGEMENT IN TELECOMMUNICATION NETWORKS BASED ON ZABBIX SOFTWARE

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DISTANCE MEASURING UNDER WATER WITH INCREASED ACCURACY

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DEVELOPMENT OF STRUCTURAL ELEMENTS OF MOISTURE METER OF PETROLEUM PRODUCTS

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DEVELOPMENT OF MICROWAVE MEASURER FOR WATER CONTENT IN OIL PRODUCT

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RESEARCH AND DEVELOPMENT OF A REMOTE CONTROL SYSTEM FOR UAV

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INNOVATIVE APPROACHES TO GAS HYDRATE PRODUCTION MODELING BASED ON NUMERICAL SIMULATION

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2.4 GHZ FOUR-ARM IRREGULAR HELICAL ANTENNA FOR UNMANNED VEHICLES

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SIMULATION OF SOUND PROCESSING IN COCHLEAR IMPLANT

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**CHOICE OF FREQUENCY RANGES FOR COCHLEAR IMPLANT
SYSTEMS WITH DIFFERENT NUMBER OF ELECTRODES**

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**ANALYSIS OF EXISTING SOUND PROCESSING ALGORITHMS AND
THEIR DEVELOPMENT DIRECTIONS IN COCHLEAR IMPLANTS**

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**THE SURVEY OF MAXIMUM OPERATING RANGE OF Wi-Fi
COMMUNICATIONS**

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**THE X-BAND MICROWAVE IMAGE REJECTION MIXER USED FOR
RADAR APPLICATIONS**

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**THE REVIEW OF PHYSICAL PRINCIPLES OF MEDICAL MICROWAVE
THERMOMETRY**

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**THE DESIGN FEATURES OF ANTENNA-APPLICATORS USED IN
MEDICAL RADIOMETRY**

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**APPLICATION OF AUTONOMOUS AND REMOTELY OPERATED
UNDERWATER ROBOTS IN THE OIL AND GAS INDUSTRY**

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**COMPARATIVE ASSESSMENT OF POLARIZATION CHARACTERISTICS
OF A SPIRAL ANTENNA
IN VARIOUS CONFIGURATIONS**

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**ANALYSIS OF INPUT CHARACTERISTICS OF A SPIRAL ANTENNA
WITHOUT MATCHING IN VARIOUS CONFIGURATIONS**

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**INVESTIGATION OF THE VOLTAGE STANDING WAVE RATIO OF A
SPIRAL ANTENNA WITH MATCHING**

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ANALYSIS OF UNIFORM-STEP SPIRAL CONICAL ANTENNAS

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SECTION 2: INFORMATION SYSTEMS

DEVELOPMENT OF A SMART MESSAGE DEVICE

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OVERVIEW OF MODERN VEHICLE MONITORING SYSTEMS

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DEVELOPMENT OF THE STRUCTURAL SCHEME OF THE VEHICLE CONTROL SYSTEM

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ARTIFICIAL INTELLIGENCE IN HUMAN PERSONAL AND SPIRITUAL DEVELOPMENT: CHALLENGES AND RISKS

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AN EXPLORATION OF THE STATE INFORMATION SYSTEM IN RUSSIA

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EDUCATIONAL AND RESEARCH STAND BASED ON MOBILE NETWORK EMULATOR

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DESIGN APPROACHES RESEARCH FOR WEB APPLICATIONS USING XR TECHNOLOGIES

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CLOUD-BASED ACCESS CONTROL SYSTEMS

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RESEARCH ON THE IMPACT OF IMAGE RESOLUTION REDUCTION AND THE APPLICATION OF SUPER-RESOLUTION MODELS FOR RESTORATION AND FINE-TUNING OF PRE-TRAINED MODELS TO IMPROVE IMAGE CLASSIFICATION ACCURACY

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CRITICAL INFORMATION INFRASTRUCTURE: SAFEGUARDING THE BACKBONE OF MODERN SOCIETY

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ANALYSIS OF PERFORMANCE AND APPLICATION OF WIREGUARD TECHNOLOGY FOR LOCAL NETWORK INTEGRATION WITH ADVANCED OPTIMIZATION TECHNIQUES

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SOLVING THE PROBLEM OF AUTOMATING THE FORMATION OF THE DISCIPLINE'S WORK PROGRAM

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EVOLUTION OF LANGUAGE MODELS: WHAT AWAITS US BEYOND GPT AND GROK?

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**APPLICATION OF SIMPLE DISTANCE CALCULATIONS AND OSRM FOR
GEOSPATIAL ANALYSIS IN SELECTING EXECUTORS IN CMMS SYSTEMS
FOR SMALL AND MEDIUM-SIZED ENTERPRISES**

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**INTEGRATION OF THE SUBSCRIPTION MODEL IN
TECHNICAL MAINTENANCE SERVICE SYSTEMS: APPROACHES TO
DATA ISOLATION**

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**SOFTWARE IMPLEMENTATION OF WEIGHTED MEDIAN ALGORITHMS
FOR ESTIMATING THE CENTER OF PROBABILITY DISTRIBUTION**

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**COMPARATIVE EVALUATION OF LSTM, CNN, AND MLP
ARCHITECTURES TO STOCK PRICE FORECASTING**

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**DEVELOPMENT OF A MOBILE APPLICATION FOR ANIMATED
EDUCATIONAL FAIRY TALES FOR CHILDREN**

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**COMPARISON OF THEORETICAL FIBRE CHANNEL MODEL AND
NORMATIVE PARAMETERS OF COMMUNICATION CABLES**

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ENSURING SECURITY FOR WEBSITES

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**A REVIEW OF MODERN METHODS FOR COLLECTING AND
CLASSIFYING WEB DATA**

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**A REVIEW OF MODERN METHODS FOR COLLECTING AND
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**SOLVING NONLINEAR PROGRAMMING PROBLEMS USING DEEP
LEARNING NEURAL NETWORK**

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ADAPTIVE TRAFFIC LIGHT CONTROL SYSTEM

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BEING: A NEURAL NETWORK APPROACH

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EXPLORING THE PROSPECTS OF VLIW ARCHITECTURE

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INFLUENCE OF SMALL-SCALE VARIABILITY OF SURFACE WAVES ON THE ERROR OF SEA LEVEL MEASUREMENT WITH AN ALTIMETER

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APPLICATION OF TERRESTRIAL LASER SCANNING TECHNOLOGY AND PHOTOGRAMMETRY METHOD FOR RECONSTRUCTION OF 3D MODELS USED IN AUGMENTED AND VIRTUAL REALITY

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AUTOMATED PROCESS CONTROL SYSTEM

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FEATURES OF USER AUTHENTICATION OVER WIRELESS NETWORKS IN IT COMPANY INFRASTRUCTURE

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GAME ENGINE DEVELOPMENT AS A WAY TO GAIN PROFESSIONAL SKILLS

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EVOLUTION OF DECENTRALISED MOBILE NETWORKS USING ARTIFICIAL INTELLIGENCE

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VOICE USER INTERFACES IN AUGMENTED AND VIRTUAL REALITY APPLICATIONS

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APPLYING NEURAL NETWORKS IN GAME DEVELOPMENT WITH UNITY: METHODS, TOOLS, AND PERSPECTIVES

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FEATURES OF REMOTE SOFTWARE DEVELOPMENT FOR EMBEDDED SYSTEMS

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THE EVOLUTION OF CYBER THREATS IN THE ERA OF QUANTUM TECHNOLOGIES: CHALLENGES AND MITIGATION STRATEGIES

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**HILBERT TRANSFORM, MARKOV CHAINS AND WAVELET ANALYSIS IN
STUDYING THE GROUP STRUCTURE OF SEA SURFACE WAVES**

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**DETECTION OF THREATS TO INFORMATION SYSTEMS USING THE
FUZZY CLUSTERING METHOD**

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**DEVELOPMENT OF A SOFTWARE PRODUCT USING AN APPLICATION
CONSTRUCTOR SERVICE**

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**DEVELOPMENT OF A UAV SIMULATOR IN UNREAL ENGINE USING VR
TECHNOLOGIES**

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**APPLICATION OF PARALLEL COMPUTING BASED ON OPENMP AND
CUDA TO IMPLEMENT THE ALGORITHM OF INTERVAL FUSION WITH
PREFERENCE AGGREGATION**

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PROGRAMMING OF STATIC SEVEN-SEGMENT INDICATORS USING PROTEUS SOFTWARE

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DEVELOPMENT AND INTEGRATION OF SMART INFORMATION SYSTEMS FOR LARGE-SCALE DATA ANALYTICS

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ASSISTING SEARCH AND ACCOUNTING SYSTEM FOR HOUSEHOLD APPLICATIONS

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SUMMARY AND ANALYSIS OF HYPER-V VIRTUAL DISK DRIVER VULNERABILITIES

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REDIRECTING SYSTEM CALLS VIA EXTENDED FEATURE ENABLE REGISTER

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AN IMAGE CLASSIFICATION SYSTEM TO SUPPORT THE JUDGING OF BALLROOM DANCE COMPETITIONS

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NEURAL NETWORKS AND DLSS TECHNOLOGY: THE FUTURE OF GRAPHICS IN VIDEO GAMES

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ADVANCING CONTROLLABLE TEXT GENERATION WITH LARGE LANGUAGE MODELS

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AUDIO INFORMATION CHANNELS APPLICATION TO CREATE KNOWLEDGE CONTROL TOOLS IN THE INTERACTIVE STANDS DEVELOPMENT

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DEVELOPMENT OF DECENTRALIZED INFORMATION SYSTEMS

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CREATING AN ALGORITHM FOR CONVERTING TEXT IN AN INCORRECT LAYOUT AND INTEGRATING IT INTO TEXT EDITORS USING C++

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A SYSTEM FOR PLOTTING GEOGRAPHICAL BOUNDARIES ON A MAP BASED ON THEIR TEXT DESCRIPTIONS

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AUTOMATIC IDENTIFICATION OF PROBLEMATIC ONLINE DISCUSSIONS

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INTELLIGENT CLIMATE CONTROL SYSTEMS FOR HEALTHCARE BASED ON IOT AND AI TECHNOLOGIES

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SECTION 3: HISTORY, THEOLOGY, SOCIOLOGY

FEATURES OF THE GOVERNMENTAL ORDER SYSTEM ORGANIZATION IN THE RUSSIAN STATE IN THE XVI-FIRST QUARTER OF THE XVIII CENTURIES

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THE ROLE AND SIGNIFICANCE OF SAKHALIN ISLAND IN PROVIDING THE NATIONAL SECURITY OF THE RUSSIAN FEDERATION

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THE REVIVAL OF PASTORAL MINISTRY IN THE BLACK SEA FLEET

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TESTS OF THE RUS-1 SYSTEM AND REDUT STATION ON THE CRUISER “MOLOTOV” IN SEVASTOPOL LATE 1939

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SECTION 4: MARINE TECHNOLOGIES

PRACTICAL IMPLEMENTATION OF A WEB APPLICATION FOR A SYSTEM FOR COLLECTING DATA ON THE STATE OF SEA WATER IN THE COASTAL ZONE

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ANALYSIS AND COMPARISON OF PERFORMANCE INDICATORS OF RADIO COMMUNICATION EQUIPMENT FROM VARIOUS MANUFACTURERS ON A SHIP

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SECTION 5: THE ACTUAL PROBLEMS OF ECONOMICS

DEVELOPMENT AND IMPLEMENTATION OF THE HACCP SYSTEM: LEGAL AND REGULATORY REQUIREMENTS

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THE NEED FOR METROLOGICAL SUPPORT FOR HEALTHCARE ORGANIZATIONS

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PROBLEMS OF OIL PRODUCTION IN RUSSIA: TRENDS AND DEVELOPMENT PROSPECT

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THE ROLE OF THE METROLOGICAL SERVICE IN ENSURING PRODUCT QUALITY AT ALL STAGES OF THE PRODUCT LIFECYCLE

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ELIMINATION OF DISTANCE MEASUREMENT ERROR AT SHALLOW DEPTHS

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SECTION 6: PHYSICS, BIOLOGY, ASTRONOMY AND ECOLOGICAL PROBLEMS

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SECTION 7: PSYCHOLOGY, PEDAGOGY, PHILOLOGY

THE MEANS AND METHODS OF DEVELOPING COORDINATION ABILITIES IN RHYTHMIC GYMNASTICS

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INTERACTIVE LANGUAGE TEACHING STRATEGIES AT HIGHER NAVAL SCHOOLS

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CROSSCULTURAL PROVERBS AND SAYINGS.

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SEMANTIC CONNOTATION IN NAVAL HUMOROUS DISCOURSE

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MATRIX OF EFFECTIVENESS OF MONITORING RESULTS IN PHYSICAL TRAINING OF 5-6 YEARS CHILDREN IN A PRESCHOOL EDUCATIONAL INSTITUTION

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NATURE AS MEDICINE: INTEGRATING NATURAL ELEMENTS INTO THE DESIGN OF PSYCHIATRIC FACILITIES

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**ROLE OF THE SUBJECT “FOREIGN LANGUAGE” IN ENHANCING
STUDENTS’ SPIRITUAL AND MORAL VALUES**

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MODERN ENGLISH TEACHING METHODS

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**PERSON’ SPIRITUAL AND MORAL DEVELOPMENT BY MEANS OF
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**CADET-PRODUCED VIDEO PROJECTS AS A MEANS OF MASTERING
MARITIME ENGLISH WHEN HAVING SHIPBOARD TRAINING**

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**INTERLANGUAGE PHRASEOLOGICAL EQUIVALENTS OF
TERMINOLOGICAL ORIGIN IN THE ASPECT OF LINGUISTIC
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PERSON'S MORAL QUALITIES FORMING IN THE CONTEXT OF FOREIGN LANGUAGE EDUCATION

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JOHN DEWEY'S PRAGMATIC PEDAGOGY IN THE ASPECT OF PHYSICAL EDUCATION

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NEW WORDS RELATED TO THE NATURAL ENVIRONMENT IN THE MERRIAM-WEBSTER DICTIONARY: THEMATIC STRUCTURE AND DYNAMICS

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SIGNIFICANCE OF THE MILITARY SONG IN THE PERIOD OF THE GREAT PATRIOTIC WAR, PERIODS OF COMBAT ACTIONS AND SPECIAL MILITARY OPERATION

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THE PSYCHOLOGY OF WAR: THE HUMAN MIND IN CONFLICT

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**DIGITAL TECHNOLOGIES AND SKINNER'S BOX:
NEW HORIZONS IN LEARNING**

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**ETHNOCULTURAL EDUCATION REALIZATION
IN A HIGHER NAVAL SCHOOL**

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**THE MEANS OF IMPLEMENTING THE CONFRONTATIONAL
COMMUNICATIVE TACTIC OF THREAT IN NANCY
PELOSI'S SPEECHES**

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THANK YOU FOR YOUR PARTICIPATION!