

Түркі әлемі математиктерінің VII
Дүниежүзілік Конгресінің
(TWMS Congress-2023)

БАҒДАРЛАМАСЫ

VII Türk Dünyası
Matematikçileri Kongresi'nin
(TWMS Congress-2023)

PROGRAMI

PROGRAMME
of VII World Congress of the Turkic
World Mathematicians
(TWMS Congress-2023)

ПРОГРАММА
VII Всемирного Конгресса Математиков
тюркского мира
(TWMS Congress-2023)

September 20–23, 2023, Turkestan, Kazakhstan

Congress Organizers



Turkic World Mathematical Society



Ministry of Science and Higher Education of the Republic of Kazakhstan



Akimat of Turkestan region



National Engineering Academy of the Republic of Kazakhstan



National Academy of Sciences of the Republic of Kazakhstan under the President of the Republic of Kazakhstan



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PF Charitable Foundation «Halyk»



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Peoples' Friendship University named after Academician A.Kuatbekov

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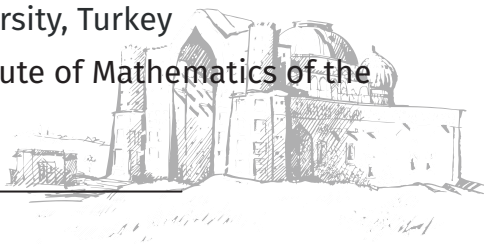
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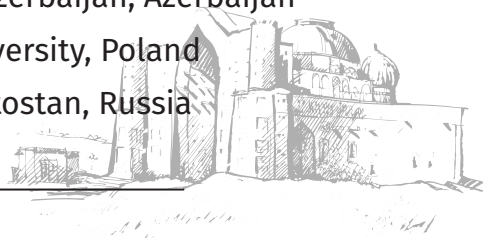
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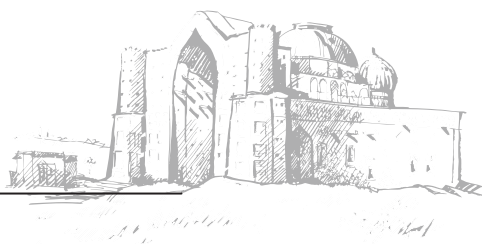
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БАҒДАРЛАМА

Түркі әлемі математиктерінің VII Дүниежүзілік Конгресі (TWMS Congress-2023)

20-23 қыркүйек 2023 ж.

Түркістан, Қазақстан

20.09.2023, Сәрсенбі

Конгреске қатысушылар мен қонақтардың келу күні

18.30 -

RIXOS қонақ үйінің мәжіліс залында TWMS Кеңесінің отырысы

21.09.2023, Бейсенбі

Қ.А. Ясауи атындағы ХҚТУ Мәдениет сарайы, Үлкен зал

09.00 – 09.55

Тіркеу. Конгресс материалдарын тарату

10.00 – 10.05

Түркі әлемі математиктерінің VII Дүниежүзілік Конгресінің ашылуы және кіріспе сөз

10.05 – 10.20

Қазақстан Республикасының Президенті Қ. К. Тоқаевтың Түркі әлемі математиктерінің VII Дүниежүзілік Конгресінің қатысушыларына құттықтау сөзі.

Ғылым және жоғары білім министрі Саясат Нұрбектің құттықтау сөзі.

Түркістан облысының әкімі Дархан Сатыбалдының құттықтау сөзі.

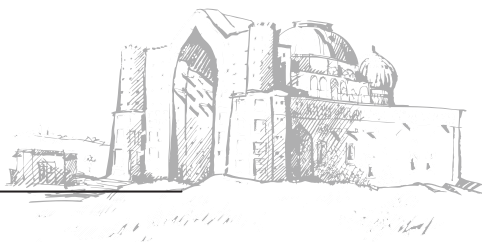
Қ.А. Ясауи атындағы халықаралық қазақ-түрік университетінің ректоры Жанар Темирбекованың құттықтау сөзі.

10.20 – 10.40

Пленарлық баяндама
Жұмағұлов Бақытжан Тұрсынұлы, TWMS Президенті,
баяндама тақырыбы: "Заманауи математика және оның қолданылуы".

10.40 – 11.00

Пленарлық баяндама
Борубаев Алтай Асылханович, ф.-м.ғ.д., профессор, ҚР ҰҒА академигі,
баяндама тақырыбы: «Основные принципы и пространства функционального анализа».



11.00 – 11.20	Пленарлық баяндама Байрам Шахин, профессор, Эге университеті, Жаратылыстану факультеті, математика кафедрасы, Измир, Түркия, баяндама тақырыбы: «Chen Inequality and Casorati Inequality in submanifold theory and their extensions to Riemannian maps».
11.20 – 11.40	Пленарлық баяндама Ашыралиев Аллаберен, ф.-м.ғ.д., профессор, Бахчешехир университеті, Стамбул, Түркия, баяндама тақырыбы: «High-order of accuracy compact finite difference schemes».
11.40 – 12.10	Кофе-брейк
12.10 – 12.30	Пленарлық баяндама Панахов Этибар, TWMS вице-президенті, "Кері есептер және Кескінді тану" бөлімі, Баку мемлекеттік университетінің Қолданбалы математика институты, Баку, Әзірбайжан, баяндама тақырыбы: «Some Inverse Problems of the Spectral Theory for the Differential Operators and Their Applications»
12.30 – 12.50	Пленарлық баяндама Кабанихин Сергей Игоревич, ф.-м.ғ.д., профессор, РҒА корреспондент-мүшесі ИВМиМГ РҒА бас ғылыми қызметкері, баяндама тақырыбы: «Теория и численные методы решения обратных и некорректных задач».
12.50 – 14.00	Түскі ас
14.00 – 16.00	10 секция бойынша отырыстар
16.00 – 16.20	Кофе-брейк
16.20 – 18.00	Секциялық отырыстарды жалғастыру
18.30 –	Ұйымдастыру комитетінің салтанатты қабылдауы және кешкі ас

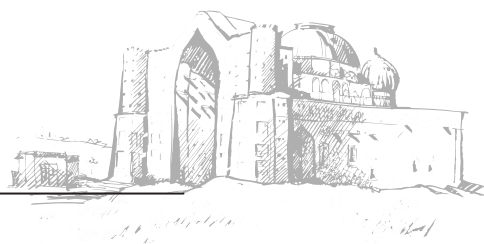


22.09.2022, Жұма
Фараб кітапханасы

09.00 – 11.00	Техникалық ғылымдарының докторы, профессор, Қазақстан Республикасы Ұлттық Инженерлік академиясының президенті, Түркі әлемі математикалық қоғамының (TWMS) президенті, ҚР ҰҒА академигі Бақытжан Тұрсынұлы Жұмағұловтың 70 жылдығына арналған пленарлық отырыс.
11.00 – 11.20	Пленарлық баяндама Ашуров Равшан Раджабович, ф.-м. ғ. д., профессор, Өзбекстан Ғылым Академиясының математика институты, зертхана меңгерушісі, баяндама тақырыбы: «Обратные задачи для уравнения субдиффузии».
11.20 – 11.40	Пленарлық баяндама Тынысбек Шәріпұлы Кальменов, ф.-м.ғ.д., профессор, ҚР Ұлттық Ғылым академиясының академигі, Мұхтарбай Өтелбаев, ф.-м.ғ.д., профессор, ҚР Ұлттық Ғылым академиясының академигі, баяндама тақырыбы: «Граничные условия интегральных операторов и их приложения».
11.40 – 12.50	Конгрессті қорытындылау. Түркі әлемінің жетекші математик ғалымдарын марапаттау
12.50 – 14.00	Түскі ас
14.00 – 16.00	10 секция бойынша отырыстар
16.00 – 16.20	Кофе-брейк
16.20 – 18.00	Секциялық отырыстарды жалғастыру
18.30 –	Салтанатты кешкі ас

23.09.2022, Сенбі

09.00 – 16.00	Түркістан мен Отырардың көрікті жерлері мен ескерткіштеріне экскурсиялар
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PROGRAM

VII. Türk Dünyası Matematikçileri Kongresi (TWMS Congress-2023) 20-23 Eylül, 2023 Türkistan, Kazakistan

20.09.2023, Çarşamba

Kongre katılımcı ve misafirlerinin geliş tarihi

18.30 - RIXOS Otelinin Konferans Salonunda TWMS Kurulu'nun Toplantısı

21.09.2022, Perşembe **Ahmet Yesevi Üniversitesi Kültür Merkezi, Büyük Salon**

09.00 – 09.55 Kayıt. Kongre materyallerinin dağıtımı

10.00 – 10.05 VII. Türk Dünyası Matematikçiler Kongresi'nin açılışı ve açılış konuşmaları

10.05 – 10.20 Kazakistan Cumhuriyeti Cumhurbaşkanı K.K.Tokaev'in VII. Türk Dünyası Matematikçiler Kongresi katılımcılarına tebrik mesajı

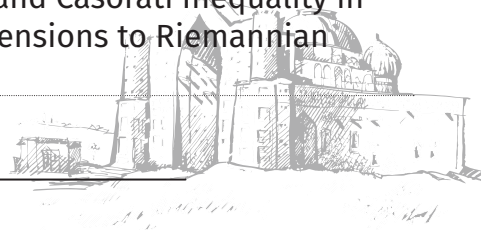
Bilim ve Yüksek Öğretim Bakanı Sayasat Nurbek'in tebrik mesajı

Türkistan Eyalet Valisi Darkhan Satybaldı'nın tebrik mesajı
Ahmet Yesevi Üniversitesi Rektörü Zhanar Temirbekova'nın tebrik mesajı

10.20 – 10.40 Genel kurul raporu
Zhumagulov Bakytzhan, TWMS Başkanı, Sunum Başlığı: «Modern matematik ve uygulaması».

10.40 – 11.00 Genel kurul raporu
Altaı Borubaev, Dr., Profesör, KC Ulusal Bilimler Akademisi Akademisyeni,
Sunum Başlığı: «Fonksiyonel Analizin Temel İlkeleri ve Alanları».

11.00 – 11.20 Genel kurul raporu
Bayram Şahin, профессор, Ege Üniversitesi, Fen Bilimleri Fakültesi, Matematik bölümü, İzmir, Türkiye,
Sunum Başlığı: «Chen Inequality and Casorati Inequality in submanifold theory and their extensions to Riemannian maps».



11.20 – 11.40	Genel kurul raporu Ashyralyev Allaberen, Dr., Profesör, Bahçeşehir Üniversitesi, İstanbul, Türkiye, Sunum Başlığı: «High-order of accuracy compact finite difference schemes».
11.40 – 12.10	Kahve Arası
12.10 – 12.30	Genel kurul raporu Panakhov Etibar, TWMS Başkan Yardımcısı, «Ters hesaplamalar ve Görüntü Tanıma» Bölümü, Bakü Devlet Üniversitesi Uygulamalı Matematik Enstitüsü, Bakü, Azerbaycan, Sunum Başlığı: «Some Inverse Problems of the Spectral Theory for the Differential Operators and Their Applications»
12.30 – 12.50	Genel kurul raporu Kabanikhin Sergey, Dr., Profesör, Rusya Bilimler Akademisi Üyesi, Rusya Bilimler Akademisi Kıdemli Araştırmacı, Sunum Başlığı: «Ters ve Kötü Konumlanmış Problemlerin Çözümü İçin Teori ve Sayısal Yöntemler».
12.50 – 14.00	Öğle Yemeği
14.00 – 16.00	10 Seksiyondaki Oturumlar
16.00 – 16.20	Kahve Arası
16.20 – 18.00	Oturumların Devamı
18.30 –	Düzenleme Kurulu Tarafından Resmî Resepsiyon ve Akşam Yemeği

22.09.2022, Cuma
Farab Kütüphanesi

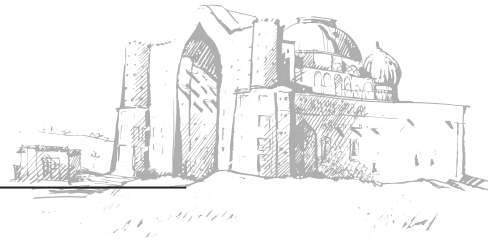
09.00 – 11.00	Teknik Bilimler Doktoru, Profesör, Kazakistan Cumhuriyeti Ulusal Mühendislik Akademisi Başkanı, Türk Dünyası Matematikçileri Derneğinin (TWMS) Başkanı, Kazakistan Cumhuriyeti Ulusal Bilimler Akademisi Akademisyeni Bakytzhan Tursynuly Zhumagulov'un 70. Yıldönümü Münasebeti ile Genel Kurul Toplantısı
11.00 – 11.20	Genel kurul raporu Ashurov Ravshan, Dr., Profesör, Özbekistan Bilimler Akademisi Matematik Enstitüsü, Laboratuvar Başkanı, Sunum Başlığı: «Alt Difüzyon Denklemi için Ters Problemler».



11.20 – 11.40	Genel kurul raporu Kalmenov Tynysbek, Dr., Profesör, Kazakistan Cumhuriyeti Ulusal Bilimler Akademisi Akademisyeni, Mukhtarbay Otelbaev, Dr., Profesör, Kazakistan Cumhuriyeti Ulusal Bilimler Akademisi Akademisyeni, Sunum Başlığı: «İntegral Operatörlerinin Sınır Koşulları ve Uygulamaları».
11.40 – 12.50	Kongrenin Sonuçlanması. Türk Dünyasının Önde Gelen Matematikçilerinin Ödellendirilmesi
12.50 – 14.00	Öğle Yemeği
14.00 – 16.00	10 Seksiyondaki Oturumlar
16.00 – 16.20	Kahve Arası
16.20 – 18.00	Oturumların Devamı
18.30 –	Салтанатты кешкі ас

23.09.2022, Cumartesi

09.00 – 16.00	Türkistan ve Otyrar'ın Turistik Mekanlarına ve Anıtlarına Geziler
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PROGRAMME

**VII World Congress of Turkic World Mathematicians
(TWMS Congress-2023)
20-23 September 2023
Turkestan, Kazakhstan**

20.09.2023 Wednesday

Arrival date of participants and guests of the Congress

18.30 - TWMS Council meeting in the RIXOS Hotel Meeting Room

**21.09.2022, Thursday
Cultural Palace, Great Hall**

09.00 – 09.55 Registration. Distributing of Congress materials

10.00 – 10.05 Opening speech and opening of the VII World Congress of Mathematicians of the Turkic World

10.05 – 10.20 Welcoming speech of the President of the Republic of Kazakhstan K.K. Tokayev to the participants of the VII World Congress of Turkic World Mathematicians.

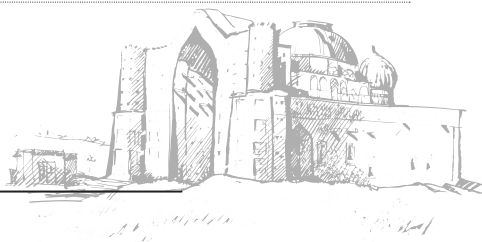
Welcoming speech of the Minister of Science and Higher Education Sayasat Nurbek.

Welcoming speech by Akim of Turkestan region Darkhan Satybaldy.

Welcoming speech of the rector of the International Kazakh-Turkish University named after H. A. Yassawi Zhanar Temirbekova.

10.20 – 10.40 Plenary report
Zhumagulov Bakytzhan, Doctor, Professor, President of TWMS,
topic of the report: "Modern mathematics and its applications".

10.40 – 11.00 Plenary report
Altai Borubaev, Doctor, Professor, Academician of the National Academy of Sciences of the KR,
topic of the report: «Основные принципы и пространства функционального анализа».



11.00 – 11.20	Plenary report Bayram Şahin, Ege University, Faculty of Science, Department of Mathematics, İzmir, Türkiye, topic of the report: «Chen Inequality and Casorati Inequality in submanifold theory and their extensions to Riemannian maps».
11.20 – 11.40	Plenary report Ashyralyev Allaberen, Doctor, Professor, Bahcesehir University, Istanbul, Turkey, topic of the report: «High-order of accuracy compact finite difference schemes».
11.40 – 12.10	Coffee break
12.10 – 12.30	Plenary report Panakhov Etibar, vice-president of TWMS, Head of Section «Inverse problems and Image Recognition», Institute of Applied Mathematics, Baku State University, Baku, Azerbaijan, topic of the report: «Some Inverse Problems of the Spectral Theory for the Differential Operators and Their Applications».
12.30 – 12.50	Plenary report Kabanikhin Sergey, Doctor, Professor, Corresponding Member of the Russian Academy of Sciences, STS IVM and MG SB RAS, topic of the report: «Теория и численные методы решения обратных и некорректных задач».
12.50 – 14.00	Lunch
14.00 – 16.00	Meetings in 10 sections
16.00 – 16.20	Coffee break
16.20 – 18.00	Continuation of session meetings
18.30 –	Ceremonial reception and dinner from the organizing committee

22.09.2022, Friday
Farab library

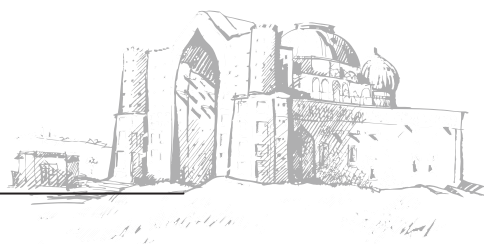
09.00 – 11.00	Plenary session dedicated to the 70th anniversary of Doctor of Technical Sciences, Professor, President of the National Engineering Academy of the Republic of Kazakhstan, President of the Turkic World Mathematical Society (TWMS), Academician of the NAS RK Bakytzhan Zhumagulov.
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11.00 – 11.20	Plenary report Ashurov Ravshan, Doctor, Professor, Institute of Mathematics of the Academy of Sciences of Uzbekistan, Head of the laboratory, topic of the report: «Обратные задачи для уравнения субдиффузии».
11.20 – 11.40	Plenary report Kal'menov Тынysbek, Doctor, Professor, Academician of the NAS RK, Mukhtarbay Otelbaev, Doctor, Professor, Academician of the NAS RK, topic of the report: «Граничные условия интегральных операторов и их применения».
11.40 – 12.50	Summarizing the results of the Congress. Awarding of leading mathematicians of the Turkic world
12.50 – 14.00	Lunch
14.00 – 16.00	Meetings in 10 sections
16.00 – 16.20	Coffee break
16.20 – 18.00	Continuation of session meetings
18.30 –	Ceremonial dinner

23.09.2022, Saturday

09.00 – 16.00	Excursions to the sights and memorable places of Turkestan and Otrar
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ПРОГРАММА

**VII Всемирный Конгресс Математиков тюркского мира
(TWMS Congress-2023)
20–23 сентября 2023 г.
г. Туркестан, Казахстан**

20.09.2023, Среда

Заезд участников и гостей Конгресса

18.30 - Заседание Совета TWMS в зале заседании гостиницы RIXOS

21.09.2023, Четверг

Дворец культуры МКТУ им. Ясави, Большой зал

09.00 – 09.55 Регистрация. Раздача материалов Конгресса

10.00 – 10.05 Вступительное слово и открытие VII Всемирного Конгресса Математиков тюркского мира

10.05 – 10.20 Приветствие Президента Республики Казахстан К.К. Токаева участникам VII Всемирного Конгресса Математиков тюркского мира

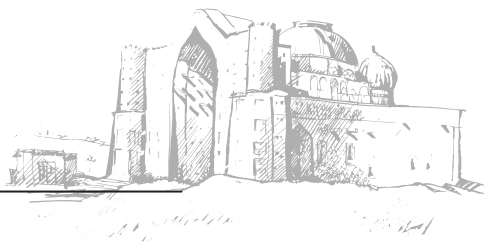
Приветственное слово министра науки и высшего образования Саясата Нурбека

Приветственное слово акима Туркестанской области Дархана Сатыбалды

Приветственное слово ректора Международного казахско-турецкого университета им. Х. А. Ясави Жанар Темирбековой

10.20 – 10.40 Пленарный доклад
Жумагулов Бакытжан Турсынович, Президент TWMS, тема доклада: «Современная математика и ее приложения».

10.40 – 11.00 Пленарный доклад
Борубаев Алтай Асылханович, д.ф.-м.н., профессор, академик НАН РК, тема доклада: «Основные принципы и пространства функционального анализа».



11.00 – 11.20	Пленарный доклад Байрам Шахин, Университет Эге, факультет естественных наук, кафедра математики, Измир, Турция, тема доклада: «Chen Inequality and Casorati Inequality in submanifold theory and their extensions to Riemannian maps».
11.20 – 11.40	Пленарный доклад Ашыралиев Аллаберен, д.ф.-м.н., профессор, Университет Бахчешехир, Стамбул, Турция, тема доклада: «High-order of accuracy compact finite difference schemes».
11.40 – 12.10	Кофе-брейк
12.10 – 12.30	Пленарный доклад Панахов Этибар, вице-президент TWMS, руководитель секции «Обратные задачи и распознавание изображений», Институт прикладной математики Бакинского государственного университета, Баку, Азербайджан, тема доклада: «Some Inverse Problems of the Spectral Theory for the Differential Operators and Their Applications».
12.30 – 12.50	Пленарный доклад Кабанихин Сергей Игоревич, член-корреспондент РАН, ГНС ИВМ и МГ СО РАН, тема доклада: «Теория и численные методы решения обратных и некорректных задач».
12.50 – 14.00	Обед
14.00 – 16.00	Заседания по 10 секциям
16.00 – 16.20	Кофе-брейк
16.20 – 18.00	Продолжение секционных заседаний
18.30 –	Торжественный прием и ужин от оргкомитета

22.09.2022, Пятница
Библиотека Фараб

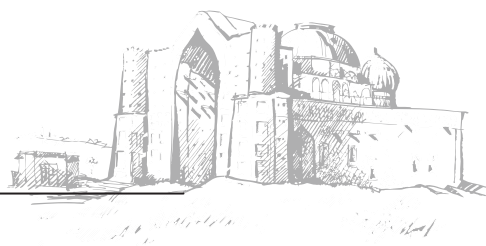
09.00 – 11.00	Пленарное заседание, посвященное 70-летию доктора технических наук, профессора, президента Национальной инженерной академии Республики Казахстан, президента Математического общества Тюрского мира (TWMS), академика НАН РК Жумагулова Бакытжана Турсыновича.
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11.00 – 11.20	Пленарный доклад Ашуров Равшан Раджабович, д.ф.-м.н., профессор, Институт математики АН Узбекистана, заведующий лабораторией, тема доклада: «Обратные задачи для уравнения субдиффузии».
11.20 – 11.40	Пленарный доклад Кальменов Тынысбек Шарипович, д.ф.-м.н., профессор, академик Национальной академии наук РК, Мухтарбай Отелбаев, д.ф.-м.н., профессор, академик Национальной академии наук РК, тема доклада: «Граничные условия интегральных операторов и их применения».
11.40 – 12.50	Подведение итогов конгресса. Награждение ведущих математиков тюркского мира
12.50 – 14.00	Обед
14.00 – 16.00	Заседания по 10 секциям
16.00 – 16.20	Кофе-брейк
16.20 – 18.00	Продолжение секционных заседаний
18.30 –	Торжественный ужин

23.09.2022, Суббота

09.00 – 16.00	Экскурсии по достопримечательностям и памятным местам Туркестана и Отрара
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**Секциялық отырыстар
Секционные заседания
Sectional meeting**

GMT + 6

21.09.2022, Бейсенбі/Thursday/Четверг

**Мәдениет
орталығы,
үлкен зал**

Секция: «Дифференциалдық теңдеулер және математикалық физика теңдеулері»

**Cultural center,
Great Hall**

Section: «Differential equations and equations of mathematical physics»

**Культурный
центр, Большой
зал**

Секция: «Дифференциальные уравнения и уравнения математической физики»

Section Secretary: Nazarova K.Zh.

Moderators: Ashurov Ravshan, Ashyralyev Allaberen, Jenaliyev Muvasharkhan

**Уақыты
Time
Время**

**Баяндамашылар
Speakers
Выступающие**

**Баяндама тақырыбы
Тема доклада
Report topic**

14.00 – 14.10

Otelbaev
Mukhtarbay,
Koshanov Bakytbek

On the possibility of creating a thermal field using electromagnetic fields

14.10 – 14.20

Yuldashev Tursun

Nonlocal boundary value problems for Fredholm type integro-differential equations with parameters

14.20 – 14.30

Aripov Mersaid,
Bobokandov
Makhmud

The properties of the Cauchy problem for a double nonlinear time-dependent parabolic equation in non-divergence form with a source term

14.30 – 14.40

Zheentaeva
Zhumagul

Splitting method for stability of equations with delay under permanently acting perturbations

14.40 – 14.50

Ashirbaeva
Aizharkyn,
Zholdoshova
Chebire

Investigation of solutions of partial integro-differential equation of fourth order by means of a new way

14.50 – 15.00

Ashurov Ravshan,
Kadirkulov Bahtiyar,
Jalilov Muhammadali

On a nonlocal problem for a mixed type equation with a fractional order operator

15.00 – 15.10

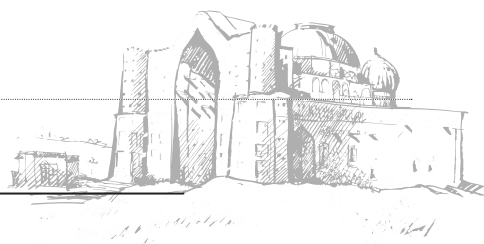
Shazhdekeyeva
Nurgul, Adiyeva
Ainagul

Application of the graph method in solving differential equations

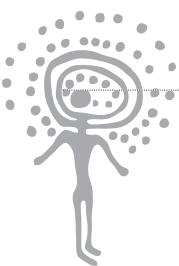
15.10 – 15.20

Zhusubaliyev
Zhanybai,
Abdirasulov Aitibek,
Sopuev Ulanbek

Multistability in Nonsmooth Systems



15.20 – 15.30	Ubayeva Zhanar, Talipova Meiramgul, Zhakhina Ryskul, Baiganova Altynzer	Construction of hypergeometric type inhomogeneous second-order system solutions
15.30 – 15.40	Kalmenov Tynysbek, Kadirbek Ayan, Kydyrbaikyzy Atirgul	Some properties of one-dimensional potentials
15.40 – 15.50	Туркманов Ж.К.	Асимптотическое решение задачи коши для гиперболического уравнения Лайтхилла с малым параметром
15.50 – 16.00	Abenov Maksut, Abzhaliuly Turar	On the continuum of exact solutions to the system of Maxwell's equations
16.00 – 16.20	Кофе-брейк Coffee break	
16.20 – 16.30	Karimov Rozik	Optimal difference method in a Hilbert space
16.30 – 16.40	Ramazanov Murat, Gulmanov Nurtay, Kopbalina Saltanat	Solution of a parabolic problem in an evolving degenerate domain
16.40 – 16.50	Sartabanov Zhaishylyk	Implementation of small parameter method for the study of multiperiodic solutions of systems with a diagonal differentiation operator
16.50 – 17.00	Manat Alua, Orumbayeva Nurgul	On one solution of an initial-boundary value problem for a nonlinear differential equation in partial derivatives of the third order
17.00 – 17.10	Jenaliyev Muvasharkhan, Yergaliyev Madi	On a spectral problem for a biharmonic operator in a rectangular domain
17.10 – 17.20	Burova Elena, Kydyraliev Syrgak, Urdaletova Anarkul	Solution of Systems of Higher Order Linear Ordinary Differential Equations
17.20 – 17.30	Karaođlan Merve, Baş Erdal, Panakhov Etibar	Some results M-spectral problem with Natural Transform
17.30 – 17.40	Kerimkhulle Seyit, Makhazhanova Ulzhan, Saliyeva Ainur, Kassekeyeva Aislu, Adalbek Alibek, Taberkhan Roman	A Criterion for Correct Solvability of a First Order Quasilinear the Verhulst Logistic Growth Difference Equation
17.40 – 17.50	Kabdrakhova Symbat	Necessary and sufficient conditions for the existence of an "isolated" solution of a semiperiodic boundary value problem for a nonlinear loaded hyperbolic equation



17.50 – 18.00	Khasanov Aknazar, Normurodov Khodjimurod, Xudayorov Ulugbek	Integration the modified Korteweg-de Vries-Liouville-sine Gordon (mKdV-L-sG) equation in the class of periodic infinite-gap functions
18.00 – 18.10	Bekeshov Turдумамат, Kultaev Topchubai	Determination of the regularization parameter of a nonlinear integral equation with an inexact right hand side

GMT + 6

22.09.2022, Жұма/Friday/Пятница

Мәдениет орталығы, үлкен зал

Секция: «Дифференциалдық теңдеулер және математикалық физика теңдеулері»

Cultural center, Great Hall

Section: «Differential equations and equations of mathematical physics»

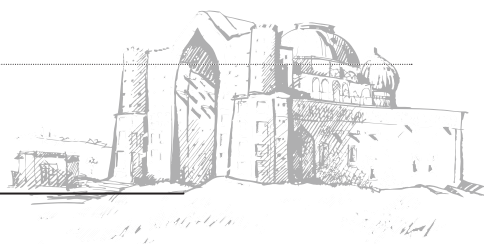
Культурный центр, Большой зал

Секция: «Дифференциальные уравнения и уравнения математической физики»

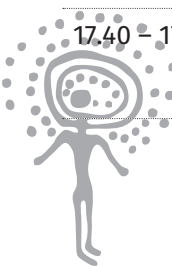
Section Secretary: Nazarova K.Zh.

Moderators: Muratbekov Mussakan, Turmetov Batirkhan, Urinov Akhmadjon

Уақыты Time Время	Баяндамашылар Speakers Выступающие	Баяндама тақырыбы Тема доклада Report topic
14.00 – 14.10	Апаков Юсупжон, Мамажонов Санжарбек	О разрешимости третьей краевой задачи для неоднородного уравнения четвертого порядка с кратными характеристиками
14.10 – 14.20	Kosmakova Minzilya, Akhmanova Danna, Izhanova Kamila	Solving an initial-boundary value problem for a loaded fractional-order diffusion equation
14.20 – 14.30	Mamaziaeva Elmira, Mambetov Zhoomart	Reducing of partial integro-differential equation with many variables to solving of integral equation
14.30 – 14.40	Mehdizadeh Khalsaraei Mohammad, Shokri Ali, Shokri Jahandizi Reza	An explicit positivity-preserving nonstandard finite difference scheme
14.40 – 14.50	Muratbekov Mussakan	On the completeness of the root vectors of the singular operator generated by the linear part of the Korteweg-de Vries operator
14.50 – 15.00	Jalilov Muhammadali, Ashurov Ravshan, Kadirkulov Bahtiyar	On a nonlocal problem for a mixed type equation with a fractional order operator



15.00 – 15.10	Babajanov Bazar, Ruzmetov Murod	Integration of a finite complex toda chain with a self-consistent source
15.10 – 15.20	Muratalieva Venera	Analytical solutions of integral equations with non-analytical right hand side
15.20 – 15.30	Tengayeva Aizhan	On the basicity of eigenfunctions and associated functions of the sturm-liouville operator with multiple spectrum
15.30 – 15.40	Нарматова Махабат	Решение дифференциальных уравнений в частных производных с авторегулированием методом осциллирующих функций
15.40 – 15.50	Ryspaev Amantur	Inverse problem of parabolic type in a bounded domain
15.50 – 16.00	Tasmambetov Zhaxylyk	Multidimensional Normally Regular Solutions of Degenerate Systems Associated with Bessel Functions of Several Variables
16.00 – 16.20	Кофе-брейк Coffee break	
16.20 – 16.30	Sadybekov Makhmud, Myrzakhmetova Altynay	Initial-boundary value problem for the heat equation under periodic boundary conditions in the absence of agreement between the initial and boundary data
16.30 – 16.40	Sakabekov Auzhan, Madaliyeva Saltanat, Yergazina Ryskul	About the system of moment equations and moment boundary conditions depending on the speed and surface temperature of the aircraft
16.40 – 16.50	Mamaziaeva Elmira, Mambetov Zhoomart,	Reducing of partial integro-differential equation with many variables to solving of integral equation
16.50 – 17.00	Khairullin Ermek, Azhibekova Aliya	About boundary conditions containing derivatives of order greater than the order of the equation
17.00 – 17.10	Turmetov Batirkhan	Direct and inverse problems for nonlocal analogues of equations of parabolic and hyperbolic types
17.10 – 17.20	Kholikov Dilshod, Abduraximov Abdunabi	Fluidized bed reactor with recycling
17.20 – 17.30	Yar Ayse Cigdem, Yilmaz Emrah, Gulsen Tuba	Proportional Learning and Forgetting Model on Время Scales
17.30 – 17.40	Abdikarimov Fakhriddin	Traveling wave solutions of the space-Время fractional burgers and modified burgers equation with variable coefficients
17.40 – 17.50	Sadykova Gulkhan	Investigation of system of nonlinear partial integro-differential equations of the first order by means of the method of additional argument



17.50 – 18.00	Yuldasheva Asal	One problem for integro-differential equation
18.00 – 18.10	Умаров Рахматилла	Третья краевая задача для уравнения третьего порядка с переменными коэффициентами
18.10 – 18.20	Abbasova Munira	Boundary value problems for the Laplace equation in the hyperoctant of a multidimensional ball
18.20 – 18.30	Komilova Nigora	Abelian type integral equations with Gaussian hypergeometric function in the kernel and their application to the boundary value problems
18.30 – 18.40	Ergashev Tuhtasin, Urinboeva Dilrabokhon	Systems of PDE satisfied by confluent hypergeometric functions of three variables
18.40 – 18.50	Хамитов Азизбек	Об одной задаче для уравнения третьего порядка с кратными характеристиками в трехмерном пространстве в полуограниченной области
18.50 – 19.00	Жумартова Балжан, Ысмагул Роза	Применение систем дифференциальных уравнений в эпидемиологии
19.00 – 19.10	Usmanov Kairat, Nazarova Kulzina	Investigation of the solvability of boundary problem for second order differential equations by the parameterization method

GMT + 6

22.09.2022, Жұма/Friday/Пятница

3 корпус, 311 аудиториясы

Секция: «Дифференциалдық теңдеулер және математикалық физика теңдеулері»

Corpus 3, auditory 311

Section: «Differential equations and equations of mathematical physics»

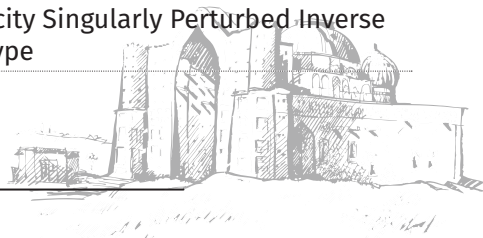
3 корпус, аудитория 311

Секция: «Дифференциальные уравнения и уравнения математической физики»

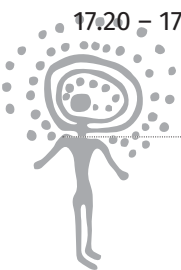
Section Secretary: Tleukeyev E.D.

Moderators: Ospanov Kordan, Iskandarov Samandar, Babajanov Bazar

Уақыты Time Время	Баяндамашылар Speakers Выступающие	Баяндама тақырыбы Тема доклада Report topic
14.00 – 14.10	Alybaev Kurmanbek, Narymbetov Talanbek	Development of the singularly perturbed equations theory with analytic functions
14.10 – 14.20	Babajanov Bazar, Abdikarimov Fakhriddin	Traveling wave solutions of the space-Время fractional Burgers and modified Burgers equation with variable coefficients
14.20 – 14.30	Sarkelova Zhyldyz	Nonlinear n-Velocity Singularly Perturbed Inverse Problem of Kac Type



14.30 – 14.40	Оспанов Кордан, Толенова Айгерим, Успанова Жулдузай	Весовые оценки решения дифференциального уравнения третьего порядка
14.40 – 14.50	Attaev Anatoly	Cauchy problem for a loaded hyperbolic equation
14.50 – 15.00	Anarbaeva Gulzhamal	Singularly Perturbed Equations with Multiple Turning Points and Pull-Through Loss of Stability
15.00 – 15.10	Baigesekov Abdibait	On the asymptotic stability of solutions of a third-order linear Voltaire integro-differential equation with nonsmooth cut-off functions
15.10 – 15.20	Barataliev Kerim	On the theory of linear integral equations of the third kind
15.20 – 15.30	Bekmaganbetov Kuanyshe A., Chechkin Gregory A., Chepyzhov Vladimir V.	Attractors of reaction-diffusion system in orthotropic porous medium
15.30 – 15.40	Borikhanov Meiirkhan	Large Время behaviour solutions for Время-space fractional diffusion equation with gradient nonlinearity
15.40 – 15.50	Durmaganbetov Asset	A new functional relation for the Riemann zeta function
15.50 – 16.00	Ergasheva Dildora	Confluent triple hypergeometric series arising in the solutions of some boundary value problems for the degenerate PDE
16.00 – 16.20	Кофе-брейк Coffee break	
16.20 – 16.30	Ashurov Ravshan	Inverse problem for the subdiffusion equation
16.30 – 16.40	Отарова Жамила	Разрешимость одной краевой задачи для вырождающегося уравнения смешанного типа четвертого порядка
16.40 – 16.50	Hoitmetov Umid	Integration of the Hirota Equation with Nonstationary Coefficients
16.50 – 17.00	Imanbaev Nurlan S.	On a system of eigenfunctions of a regular multiple differentiation operator under integral perturbation of one boundary value condition that does not have basis property
17.00 – 17.10	Irgashev Bakhrom	Boundary value problem for an equation of high even order involving a fractional derivative
17.10 – 17.20	Iskakova Narkesh	On the solvability of the boundary value problem for a loaded differential equation with a delay argument
17.20 – 17.30	Iskandarov Samandar, Iskandarova Guisunaii	On the influence of perturbations of the Volterra type to the boundedness of solutions of first-order linear differential equations on the semi-axis



17.30 – 17.40	Arzikulov Zafarjon	Boundary value problems for the degenerating parabolic equation of the fourth order
17.40 – 17.50	Kenenbaev Elaman	Controlled equations to present transforming verbs with functional relations
17.50 – 18.00	Koilyshov Umbetkul, Beisenbaeva Kulnar	Solution of initial-boundary value problems for the heat equation with discontinuous coefficients
18.00 – 18.10	Алдашев Серик	Корректность основной смешанной задачи для одного класса многомерных гиперболических уравнений
18.10 – 18.20	Алыбаев Курманбек, Нарымбетов Талантбек	Развитие теории сингулярно возмущенных уравнений с аналитическими функциями
18.20 – 18.30	Анарбаева Гулжамал 10	Сингулярно возмущенные уравнения с несколькими точками поворота и затягивание потери устойчивости
18.30 – 18.40	Бекиев Аширмет, Бекиева А. А.	Разрешимость краевой задачи для уравнения четвертого порядка
18.40 – 18.50	Asanova Kanykei, Asanov Ruhidin	Boundedness of Solutions of a Class of Linear Integro-differential Equations of the Second Order on the Semiaxis.
18.50 – 19.00	Matanova Kalyskan, Asanov Avyt	Approximate Solution of Nonlinear Volterra Integral Equations of the Second Kind

GMT + 6

22.09.2022, Жұма/Friday/Пятница

1 корпус, 201 аудитория

Секция: «Дифференциалдық теңдеулер және математикалық физика теңдеулері»

Corpus 1, auditory 201

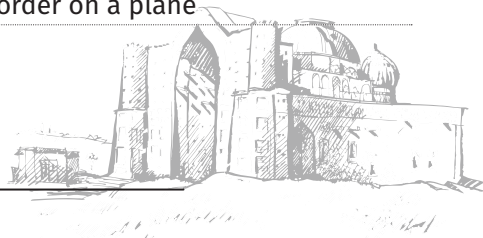
Section: «Differential equations and equations of mathematical physics»

Секция: «Дифференциальные уравнения и уравнения математической физики»

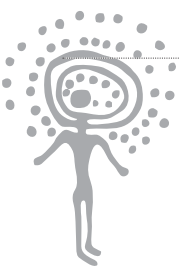
Section Secretary: Borikhanov M. B.

Moderators: Sarsenbi Abdizhahan, Rakhmonov Farhod, Koshanov Bakytbek

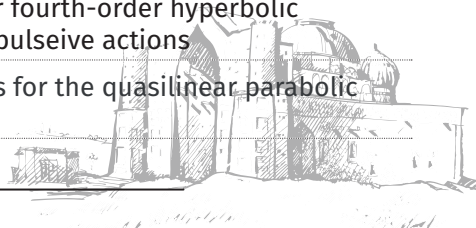
Уақыты Time Время	Баяндамашылар Speakers Выступающие	Баяндама тақырыбы Тема доклада Report topic
14.00 – 14.10	Koshanov Bakytbek, Maksat Bakytbek	On Fredholm solvability and on the index of the generalized Neumann problem for an elliptic equation of high order on a plane



14.10 – 14.20	Kozhobekov Kudayberdi, Tursunov Dilmurat, Omaralieva Gulbayra	The bisingular problem with biboundary layer
14.20 – 14.30	Lakaev Shukhrat	Upper threshold analysis of the n-dimensional one-particle discrete Schro'dinger operators with delta potentials
14.30 – 14.40	Sarsenbi Abdizhahan, Sarsenbi Abdissalam, Mussirepova Elmira	The inverse problems for the heat equation with involution perturbation
14.40 – 14.50	Moldoyarov Ularbek	Boundary value problem for a third-order partial differential equation with an interface line $x = 0$
14.50 – 15.00	Muminov Zahriddin	On the Discrete Spectrum of the Schr'odinger operator of the system of three-particles with masses $m_1=m_2=\infty$ and $m_3<\infty$ on the three dimensional lattice
15.00 – 15.10	Nurakhmetov Daulet, Aniyarov Almir, Jumabayev Serik, Nurakhmetova Marzhangul	Symmetry equivalences of boundary value problems for the non-uniform beams
15.10 – 15.20	Omuraliev Asan, Abylaeva Ella	Numerical solution of a singularly perturbed hyperbolic system
15.20 – 15.30	Omuraliev Asan, Esengul kyzy Peil	Asymptotics of the solution of a mixed problem for a hyperbolic equation with a power-law boundary layer
15.30 – 15.40	Pskhu Arsen	Inversion formula for a distributed order differentiation operator
15.40 – 15.50	Rakhmonov Farhod	Mixed problem for a parabolic integro-differential equation with involution
15.50 – 16.00	Rasulov Mirojiddin	A free boundary problem for a diffusive competition system with nonlinear convection term
16.00 – 16.20	Кофе-брейк Coffee break	
16.20 – 16.30	Мамытов Aitbay, Erkebaev Ulukbek, Orozov Maksatbek	On one inverse problem for integro-differential equations of the fifth order
16.30 – 16.40	Satarov Arzumat	Conjugation problem for 4th order partial derivative equations with different real characteristics



16.40 – 16.50	Seilbekov Bolat, Sarsenbi Abdissalam, Imanbetova Asselkhan	Inverse Problems of a Fourth-Order Equation with an Involution with a Fractional Derivative
16.50 – 17.00	Shadimetov Kholmat, Karimov Rozik	Optimal difference method in a Hilbert space
17.00 – 17.10	Shpadi Yuriy	Single-phase nonlinear quasi-stationary Stefan problem in a spherically symmetric formulation
17.10 – 17.20	Smadiyeva Asselya	Decay estimates for the degenerate Время-fractional evolution equations
17.20 – 17.30	Sobirov Shekhzod	The solution of the Cauchy problem for a loaded mddf equation with a general self-consistent source
17.30 – 17.40	Tleubergenov Marat, Vassilina Gulmira, Ismailova Shakhmira	On inverse Helmholtz problem in the presence of random perturbations
17.40 – 17.50	Tolemis Abylaikhan	Homogenization of Attractors to Ginzburg-Landau Equations in Media with Locally Periodic Obstacles
17.50 – 18.00	Toleubay Altyn	On the asymptotics of the attractors of the 2D Navier--Stokes system in a medium with obstacles
18.00 – 18.10	Turgunboyeva Mohisanam	The l-approach problem in a linear differential game with constant coefficient
18.10 – 18.20	Urinov Akhmadjon, Karimov Kamoliddin	The Dirichlet problem for an elliptic equation with three singular coefficients with negative parameters
18.20 – 18.30	Uteshova Roza, Assanova Anar	On a singular problem for a hyperbolic differential equation with piecewise constant argument of generalized type
18.30 – 18.40	Vohobov Fazliddin	Particular solutions of the multiple Euler-Poisson-Darboux equation
18.40 – 18.50	Тампагаров Куштарбек, Мусакулова Назгул	Расщепление решений слабо нелинейных сингулярно возмущенных уравнений в комплексных областях
18.50 – 19.00	Rogovoy Alexander	The criterion of invertibility of the mixed type minimal operator
19.00 – 19.10	Beyseybayeva Akboppe	Green's function of a boundary value problem with involution
19.10 – 19.20	Hummet Musayev	Initial value problem for nonlinear Boussinesq equation
19.20 – 19.30	Yusubov Shakir, Huseynova Minayye	On the unique solvability of a nonlocal boundary value problem for fourth-order hyperbolic equation with impulseive actions
19.30 – 19.40	Torebek Berikbol	Critical exponents for the quasilinear parabolic problems



GMT + 6

21.09.2022, Бейсенбі/Thursday/Четверг

Мәдениет орталығы, кіші зал

Секция: «Функциялар теориясы және функционалдық талдау»

Section: «Theory of functions and functional analysis»

Cultural center, Small Hall

Секция: «Теория функций и функциональный анализ»

Section Secretary: Turganbayeva Zh.N.

Культурный центр, Малый зал

Moderators: Abdullayev Fahreddin, Oinarov Ryskul, Rozikov Utkir

**Уақыты
Time
Время**

**Баяндамашылар
Speakers
Выступающие**

**Баяндама тақырыбы
Report topic
Тема доклада**

14.00 – 14.15

Bokayev Nurzhan,
Gogatishvili Amiran,
Abek Azhar

Characterisation of the cones of monotone functions generated by generalized fractional-maximal functions

14.15 – 14.30

Abdullayev
Fahreddin

On the growth of modules of algebraic polynomials in different spaces

14.30 – 14.45

Oinarov Ryskul,
Kalybay Aigerim

On oscillatory and spektral properties of a class of higher-order differential operators

14.45 – 15.00

Aliyeva Konul

Asimptotic distribution of eigenvalues of operator differential equations of high order on semiaxis

15.00 – 15.15

Расулова Мухайё,
Рахматуллаев
Музаффар,

Периодические меры Гиббса для модели Поттс-SOS

15.15 – 15.30

Bashirova Anar,
Tleukhanova
Nazerke

Multipliers of double Fourier-Haar series

15.30 – 15.45

Bazarkhanov
Daurenbek

Linear and multilinear pseudo-differential operators on multi-dimensional torus

15.45 – 16.00

Guliyev Vagif

Characterization of Lipschitz functions via the commutators of maximal function in Orlicz spaces on stratified Lie groups

16.00 – 16.20

Кофе-брейк
Coffee break

16.20 – 16.30

Borubaev Altai,
Namazova Guliza

About τ -metric spaces

16.30 – 16.40

Chigambayeva Diana

Estimates for convolutions in Morrey-type spaces

16.40 – 16.50

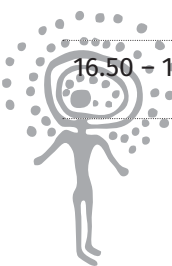
Et Mikail

On deferred F-statistical boundness of difference sequence

16.50 – 17.00

Temirkhanova Ainur,
Beszhanova Aigul

Boundedness of a class of matrix operators in weighted sequence spaces



17.00 – 17.10	Hasanov Anvar, Ergashev Tuhtasin	The infinite summation formulas of multiple Lauricella functions
17.10 – 17.20	Ishkin Khabir	On the abel basis property of the root functions system of the Sturm-Liouville operator on a curve
17.20 – 17.30	Jumabayeva Ainur	Ulyanov type inequalities for the mixed moduli of smoothness
17.30 – 17.40	Tleukhanova Nazerke, Sarybekova Lyazzat	Fourier series multipliers in the generalized Haar system
17.40 – 17.50	Yagubov Ali	Description of the polar capture operator
17.50 – 18.00	Yessirkegenov Nurgissa	Hardy and Poincare inequalities and identities for the Baouendi-Grushin operator
18.00 – 18.10	Mahmut Ergut, Nursemin Cavdar	On fractional analysis of curves

GMT + 6

22.09.2022, Жұма/Friday/Пятница

Мәдениет орталығы, кіші зал

Секция: «Функциялар теориясы және функционалдық талдау»

Section: «Theory of functions and functional analysis»

Cultural center, Small Hall

Секция: «Теория функций и функциональный анализ»

Section Secretary: Turganbayeva Zh.N.

Культурный центр, малый зал

Moderators: Bokayev Nurzhan, Guliyev Vagif, Nursultanov Erlan

Уақыты Time Время	Баяндамашылар Speakers Выступающие	Баяндама тақырыбы Report topic Тема доклада
14.00 – 14.15	Akhmedov Anvarjon, Abdullayeva Cholponai, Isakov Topchubay	Power series representation and applications in the space of four-dimensional numbers
14.15 – 14.30	Kamalov Ulugbek	On the rationality of the generating function for the number of root forests in circulant graphs
14.30 – 14.45	Olimov Umrbek, Rozikov Utkir	Dynamical systems of an infinite dimensional operator
14.45 – 15.00	Ospanov Myrzagali, Burgumbayeva Saule	On generalized singular numbers of differences of positive measurable operators
15.00 – 15.15	Khakimov Rustamjon, Makhammadaliyev Muhtorjon	Translation-invariant Gibbs measures for the Hard-Core model with a countable set of states
15.15 – 15.30	Savas Ekrem	On q- lacunary strong almost summability of weight g



15.30 – 15.45	Maiyer Fedor, Baimankulov Abdykarim, Temirbekov Nurlyhan	On a generalization of classes of convex in the direction and typically real functions
15.45 – 16.00	Matin Dauren, Akhazhanov Talgat, Zhuldassov Zhanat	Compactness sets and Commutators for Riesz Potential on Local Morrey-type spaces
16.00 – 16.20	Кофе-брейк Coffee break	
16.20 – 16.30	Matin Dauren, Akhazhanov Talgat, Zhuldassov Zhanat	The approximation of functions of two variables of bounded p-variation by polynomials with respect to Haar system.
16.30 – 16.40	Mukanov Askhat, Nursultanov Erlan	Integrability conditions of trigonometric series with general monotone coefficients
16.40 – 16.50	Nurlybekuly Turdybek	Haagerup Noncommutative Orlicz Spaces
16.50 – 17.00	Nursultanov Erlan, Jumabayeva Jamilya	On the upper bounds for the norm of the convolution operator in anisotropic Morrey spaces
17.00 – 17.10	Zhanabergenova Nazerke	Bilinear discrete Hardy inequality for a class of matrix operator
17.10 – 17.20	Akhymbek Meiram, Tulenov Kanat, Zaur Gulnur	Spectrum of the Cesaro-Hardy operator in rearrangement invariant spaces
17.20 – 17.30	Khabibullin Bulat, Kudasheva Elena	Stability of Excesses for Exponential Systems
17.30 – 17.40	Rakhimov Abdugafur	Quasi-traces on exact real C*-algebras
17.40 – 17.50	Kopezhanova Aigerim	Interpolation Methods With Parametric Functions
17.50 – 18.00	Tashpulatov Sadulla	Spectra of the energy operator of two-magnon systems in the four-spin exchange Hamiltonian in the lattice
18.00 – 18.10	Abdukaxorova Zulxumor, Tukhtabayev Akbarkhoja	Weakly periodic generalized Gibbs measure
18.10 – 18.20	Tulenov Kanat	On Fourier Multipliers on non-commutative torus



GMT + 6

21.09.2022, Бейсенбі/Thursday/Четверг

3 корпус, 318 конференция залы

Секция: «Алгебра, математикалық логика және геометрия»

Section: «Algebra, mathematical logic and geometry»

Corpus 3, conference hall 318

Секция: «Алгебра, математическая логика и геометрия»

Section Secretary: Usmanov K.I.

3 корпус, конференц-зал 318

Moderators: Borubaev Altai, Tussupov Jamalbek, Arzikulov Farhodjon

Уақыты
Time
Время

Баяндамашылар
Speakers
Выступающие

Баяндама тақырыбы
Report topic
Тема доклада

14.00 – 14.15

Arzikulov Farhodjon,
Urinbojev Furkat

On inner and local inner derivations of four-dimensional Jordan algebras

14.15 – 14.30

Baidabekov Auyez,
Kemelbekova Elmira,
Sadykova Zhanna

The study of geometric laws in the patterns of the Khoja Ahmed Yasawi complex

14.30 – 14.45

Beshimov Ruzinazar,
Mukhamadiev
Farkhod

Some homotopy properties of the space of linked systems

14.45 – 15.00

Borubaev Altai,
Kanetova Dinara

On countably paracompact extensions

15.00 – 15.15

Seitkazieva Gulnara,
Azimov Bektur

About partial mapping, generated by a given distribution

15.15 – 15.30

Dogan Yazici Bahar,
Tosun Murat

On generalized quasi-type rectifying curves

15.30 – 15.45

Arzikulov Farhodjon,
Khakimov Utkirbek

Classification of inner Rickart and Baer algebras

15.45 – 16.00

Faizrahmanov Marat

Fixed point theorems for generalized computable numberings

16.00 – 16.20

Кофе-брейк
Coffee break

16.20 – 16.30

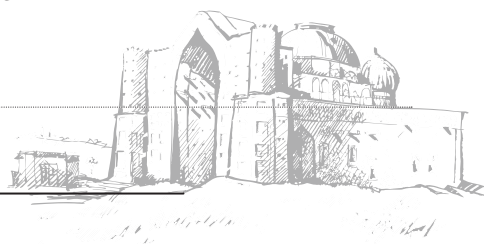
Kabulov Anvar,
Baizhumanov
Abdussattar,
Berdimurodov
Mansur

On the minimization of k-valued logic functions in the class of disjunctive normal forms

16.30 – 16.40

Kanetov Bekbolot,
Saktanov Ulukbek,
Baidzhanova
Anara, Dogdurbaev
Samat

Some properties of selection principles in topological groups



16.40 – 16.50	Kanetova Dinara	On completion of ordered uniform spaces
16.50 – 17.00	Kerimbayev Rashid	Invertibility of algebraic polynomial mappings
17.00 – 17.10	Kulpeshov Beibut, Sudoplatov Sergey	New variant of orthogonality of 1-types in weakly o-minimal theories
17.10 – 17.20	Markhabatov Nurlan D.	On pseudofiniteness of theories with two equivalence relations
17.20 – 17.30	Matieva Gulbadan, Abdullayeva Cholponai, Kurbanbaeva Nurjamal	On quasi-double lines of a partial mapping of Euclidean space
17.30 – 17.40	Beniash-Kryvets Valery, Novikova Viktoriya	On the Tits alternative for generalized tetrahedron groups of type (2,3,2,2,2,2)
17.40 – 17.50	Duisengaliyeva Bibinur, Naurazbekova Altyngul, Kozybaev Daniyar	Tame automorphism group of the free Zinbiel algebra of rank 2
17.50 – 18.00	Kabulov Anvar, Babadzhanov Alimdzhon, Baizhumanov Abdussattar	The problem on the completeness of classes of correcting functions

GMT + 6

22.09.2022, Жұма/Friday/Пятница

3 корпус, 318 конференция залы

Секция: «Алгебра, математикалық логика және геометрия»

Section: «Algebra, mathematical logic and geometry»

3 корпус, конференц-зал 318

Секция: «Алгебра, математическая логика и геометрия»

Section Secretary: Usmanov K.I.

Corpus 3, conference hall 318

Moderators: Kabulov Anvar, Kulpeshov Beibut, Narmanov Abdigappar

**Уақыты
Time
Время**

**Баяндамашылар
Speakers
Выступающие**

**Баяндама тақырыбы
Report topic
Тема доклада**

14.00 – 14.15

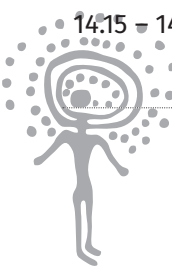
Narmanov Abdigappar,
Ergashova Shohida

On The Geometry of Hamiltonian Systems

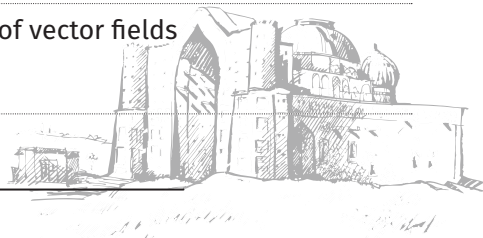
14.15 – 14.30

Naurazbekova Altyngul,
Umirbaev Ualbai

Automorphisms of simple quotients of the Poisson and universal enveloping algebras of sl_2



14.30 – 14.45	Rajabov Eldor, Narmanov Abdigappar	On the geometry of singular foliations
14.45 – 15.00	Saktanov Ulukbek, Kanetov Bekbolot, Beknazarova Mahabat	About Uniformly Γ -Sets and Its Mappings
15.00 – 15.15	Shamshieva Gulmira, Sarygulova Nurkyz	About distributions defined by a given Frenet net
15.15 – 15.30	Sharipov Anvarjon, Aslonov Jasurbek	On the group of topological maps of foliated manifolds
15.30 – 15.45	Tulenbayev Kaisar, Kokenaeva Altynai	Structural properties of Almost Lie algebras
15.45 – 16.00	Tussupov Jamalbek, Baisalov Yerzhan, Markhabatov Nurlan D.	On Categoricity Of Structures With Two Equivalence Relations
16.00 – 16.20	Кофе-брейк Coffee break	
16.20 – 16.30	Velyamov Turganzhan	Modification Of The Danzig-Wolf Decomposition Method For Building Hierarchical Intelligent Systems.
16.30 – 16.40	Yarullina Alina, Amanbekov Sultan, Amandyk Bota	On Semantic Jonsson Quasivariety of Undirected Graphs
16.40 – 16.50	Yarullina Alina, Amanbekov Sultan, Suindykova Alua	On semantic Jonsson quasivariety of Robinson unars
16.50 – 17.00	Yeshkeyev Aibat, Popova Nadezhda	On Holographicness In The Frame Jonsson Theories
17.00 – 17.10	Yeshkeyev Aibat, Tungushbayeva Indira	On cosemanticness classes of a Jonsson spectrum
17.10 – 17.20	Yeshkeyev Aibat, Ulbricht Olga, Issayeva Aigul	Criterion of algebraically primeness for the Jonsson Abelian group
17.20 – 17.30	Zhoraev Adahamzhan	Generalization of Tikhonov's Theorem to Extract Information on Objects in Spaces
17.30 – 17.40	Markhabatov Nurlan D., Jetpisov Kabylda	On smoothly approximability of regular graphs
17.40 – 17.50	Matieva Gulbadan, Moldoyarov Ularbek	Computer program for obtaining a 3d model of the spatial fractal "limit cube of cubes"
17.50 – 18.00	Narmanov Abdigappar, Diayarov Bekzod	On the geometry of vector fields



18.00 – 18.10 Natiq Aliyev, Amirova Rana Modelling a conflict event as a random process by a general logical-probabilistic method

GMT + 6 21.09.2022, Бейсенбі/Thursday/Четверг

3 корпус, 311 аудиториясы Секция: «Ықтималдықтар теориясы және математикалық статистика»

Corpus 3, auditory 311 Section: «Probability theory and mathematical statistics»

Секция: «Теория вероятностей и математическая статистика»

3 корпус, аудитория 311 Section Secretary: Tleukeyev E.D.

Moderators: Formanov Shakir, Muradov Rustamjon, Abdushukurov Abdurahim

Уақыты Time Время	Баяндамашылар Speakers Выступающие	Баяндама тақырыбы Report topic Тема доклада
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14.00 – 14.15	Dushatov Nurlan, Muradov Rustamjon	On asymptotically properties of estimates of the relative-risk function by strong mixing
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14.15 – 14.30	Erisbaev Sabitbek	On Cramer-Rao type inequality in competing risks model under random censoring from unobservation intervals, efficiency and sequential estimation
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14.30 – 14.45	Formanov Shakir, Akanbay Nursadyk, Sharipova Lola	The method of accompanying distributions and the Lindeberg - Feller theorem
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14.45 – 15.00	Khamdamov Isakjan	Strong Mixing Properties of Convex Hull in a Unit Disk
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15.00 – 15.15	Mamatov Khusnitdin	On the rate of convergence in the limiting theorem for stochastic integrals over semi-martingales
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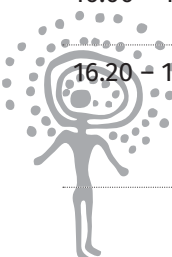
15.15 – 15.30	Mirakhmedov Sherzod	On asymptotic expansion for a certain class of statistics in generalized urn models
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15.30 – 15.45	Muradov Rustamjon, Abdushukurov Abdurahim, Ghosh Abhik, Basu Ayanendranath	On estimation of survival function in Cox model and Robust inference
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15.45 – 16.00	Muradov Rustamjon, Abdushukurov Abdurahim, Pradhan Biswabrata	On estimation of multivariate survival function in the present of prognostic factors
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16.00 – 16.20	Кофе-брейк Coffee break	
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16.20 – 16.35	Myrzasheva Aigul, Shazhdekeyeva Nurgul, Adiyeva Ainagul	Probability modeling of financial and economic processes with graphs
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16.35 – 16.50	Nazarbaev Farkhat	Parabolic interpolation of mortality tables for fractional ages
16.50 – 17.05	Sharipov Olimjon, Kushmurodov Akmal	Marcinkiewicz–Zygmund strong law of large numbers for m -dependent random variables in Banach spaces
17.05 – 17.20	Sharipov Olimjon, Qobilov Utkir	On the maximum of weakly dependent random variables
17.20 – 17.35	Sharipov Sadiullo	A functional limit theorem for branching processes with immigration
17.35 – 17.50	Toshkulov Khamza, Khusanbaev Yakubdjan	On the rate of convergence in limit theorems for fluctuation critical branching processes with immigration
17.50 – 18.00	Абдушукуров Абдурахим, Нурмухамедова Наргиза	Локальная асимптотическая нормальность экспериментов при неоднородном случайном цензурировании интервалом ненаблюдения

GMT + 6

21.09.2022, Бейсенбі/Thursday/Четверг

**Кітапхана,
1 этаж,
конференция
залы**

Секция: «Кері және қисынсыз есептер»

Section: «Inverse and ill-posed problems»

Секция: «Обратные и некорректные задачи»

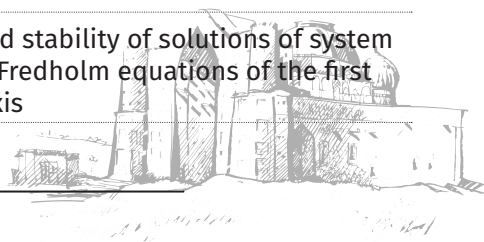
**Library, 1st floor,
conference hall**

Section Secretary: Sultanov M.A.

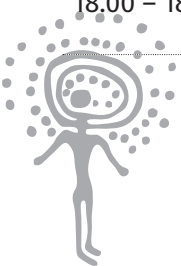
**Библиотека,
1 этаж,
конференц-зал**

Moderators: Kabanikhin Sergey, Bektemesov Maktagali, Bakanov Galitdin

Уақыты Time Время	Баяндамашылар Speakers Выступающие	Баяндама тақырыбы Report topic Тема доклада
14.00 – 14.15	Turmetov Batirkhan, Kadirkulov Baxtiyar, Ergashev Okiljon	On an inverse problem for a two-dimensional fractional parabolic equation with involution
14.15 – 14.30	Satybaev Abdugany, Kurmanalieva Gulzat, Anishchenko Yu.V., Kultaev Topchubai	Numerical implementation of the one-dimensional inverse problem of propagation of the action potential along a nerve Fiber
14.30 – 14.45	Alybaev Anarbek	Regularization in the generalized sense of the loaded inverse problem of Korteweg De Vries type degenerating to the incorrect Volterra equation of the first kind
14.45 – 15.00	Asanov Avyt, Kadenova Zuurakan, Bekeshova Damira	Regularization and stability of solutions of system of linear integral Fredholm equations of the first kind on a semi-axis



15.00 – 15.15	Xalxadjayev Baxtiyor, Sipatdinova Biybinaz, Dzhamalov Sirojiddin	The linear inverse problem with a non-local boundary condition of periodic type for a mixed type equation of the second kind of the second order in an unbounded parallelepiped
15.15 – 15.30	Ashyralyyev Charyyar	Reverse parabolic source identification problem
15.30 – 15.45	Askar kyzy Lira	Conditions of monotonicity of solutions of integral equations of the first kind in the space of analytical functions
15.45 – 16.00	Assanova Anar, Minglibayeva Bayan	Identification parameter problem for hyperbolic equations with discrete effect memory
16.00 – 16.20	Кофе-брейк Coffee break	
16.20 – 16.30	Babajanov Bazar, Atajonov Dilshod	Integration of the periodic Hunter-Saxton equation with a self-consistent source
16.30 – 16.40	Bakanov Galitdin, Meldebekova Saule	Estimation of stability of a finite-difference analogue of an integral geometry problem with a weight function
16.40 – 16.50	Bektemesov Maktagali, Bektemessov Zholaman, Almatykyzy Zhuldyz	Solving of some inverse problem of epidemiology by stochastic nature-like methods
16.50 – 17.00	Shyganakova Ainagul, Sariev Amangeldy	Обратные задачи уравнения переноса излучения в многозонной области
17.00 – 17.10	Yang Yang	Regularisation of ill-posed algebraic systems
17.10 – 17.20	Aitzhanov Serik, Kuntuarova Arai	Solvability of the inverse problem for a pseudoparabolic equation
17.20 – 17.30	Vdovin Andrey, Rubleva Svetlana	Reconstruction of an unknown impact in a dynamic system. New possibilities of the dynamic regularization method
17.30 – 17.40	Asanov Avyt, Serikbayev Abdukarim	About uniqueness of solutions of Fredholm linear integral equations of the third kind on the segment
17.40 – 17.50	Dzhamalov Sirojiddin	Inverse Problems for Equations of Mixed Type
17.50 – 18.00	Fayazov Kudratillo, Rakhmatov Khondamir	Numerical solution of an ill-posed boundary value problem for a mixed-type second-order differential equation with two degenerate lines
18.00 – 18.10	Kabanikhin Sergey	Regularization methods for ill-posed problems - from linear algebra to neural networks



GMT + 6

22.09.2022, Жұма/Friday/Пятница

Кітапхана,
1 этаж,
конференция
залы

Секция: «Кері және қисынсыз есептер»
Section: «Inverse and ill-posed problems»

Секция: «Обратные и некорректные задачи»

Library, 1st floor,
conference hall

Section Secretary: Sultanov M.A.

Библиотека,
1 этаж,
конференц-зал

Moderators: Assanova Anar, Dzhamalov Sirojiddin, Fayazov Kudratillo

Уақыты
Time
Время

Баяндамашылар
Speakers
Выступающие

Баяндама тақырыбы
Report topic
Тема доклада

14.00 – 14.15

Kabanikhin Sergey,
Shishlenin Maxim,
Bakanov Galitdin

Multidimensional analogue of Krein equation for the inverse acoustic problem

14.15 – 14.30

Султанов Мурат,
Мисилов Владимир,
Нурланулы
Еркебулан

Численные алгоритмы решения обратной задачи восстановления младшего коэффициента уравнения субдиффузии

14.30 – 14.45

Kasenov Syrym,
Tleulesova Aigerim

Algorithm for solving the inverse problem for the Helmholtz equation on "discretization-optimization"

14.45 – 15.00

Khompysh
Khonatbek

Inverse problems for a pseudoparabolic equation with fractional derivative: weak solutions

15.00 – 15.15

Khudoykulov
Shokrukh,
Mambetsapaev
Kurbaniyaz,
Dzhamalov
Sirojiddin

On a linear two-point inverse problem for a multidimensional wave equation with semi-nonlocal boundary conditions

15.15 – 15.30

Liangningzhi Li

Conditional stability of ill-posed problems

15.30 – 15.45

Rysbayeva Nazerke,
Rysbaiuly Bolatbek

Fundamentals of mathematical modeling of moisture transfer in the soil

15.45 – 16.00

Serikbayev
Abdukarim, Asanov
Avyt

On one inverse problem of determining the perturbation coefficient, an elliptic type equation

16.00 – 16.20

Кофе-брейк
Coffee break

16.20 – 16.30

Saadabaev
Ackerbek, Usenov
Izat

On the regularization of the solution of a nonlinear operator equation of the first kind in Hilbert space



16.30 – 16.40	Safarov Jurabek	Inverse problem on the determination of two coefficients of the integro-differential equation
16.40 – 16.50	Samatov Bahrom, Uralova Saboxat	On pursuit and evasion game problems with La constraints
16.50 – 17.00	Temirbekov Nurlan, Bidaibekov Esen, Kasenov Syrym, Temirbekova Laura, Zhanar Demeubaeva	Numerical solution of the inverse problem of magnetotelluric sounding
17.00 – 17.10	Fayazov Kudratillo, Khudayberganov Yashin	Nonlocal boundary value problem for a system of nonhomogeneous parabolic type equations with two degenerate lines
17.10 – 17.20	Ablabekov Baktybai, Kurmanbayeva Ainura	Inverse Problems for a Pseudo-Hyperbolic Equation with Integral Redefinition
17.20 – 17.30	Kabanikhin Sergey, Bakanov Galitdin, Meldebekova Saule	Differential-Difference Analogue of the Three-Dimensional Problem of Integral Geometry
17.30 – 17.40	Kadirbayeva Zhazira	A problem for impulsive differential equations with loadings
17.40 – 17.50	Temirbekov Nurlan, Nurmangaliyeva Maya, Temirbekova Laura, Yermagambetov Turganbay	Transformation of the problem of extending the gravitational potential from perturbing masses to the first kind Fredholm integral equation
17.50 – 18.00	Turakulov Khamidullo, Yusupov Sherzod, Dzhamalov Sirojiddin	On a linear inverse problem for the three-dimensional Tricomi equation with a nonlocal boundary condition in the unlimited paralepiped
18.00 – 18.10	Фаязов Кудратилло, Хажиев Икромбек	Задача Дирихле для дифференциального уравнения смешанного типа второго порядка с одной линией вырождения
18.10 – 18.20	Liu Shuang	Regularization of linear machine learning problems



GMT + 6

21.09.2022, Бейсенбі/Thursday/Четверг

1 корпус, 201
аудитория

Секция: «Оңтайлы басқару»

Section: «Optimal control»

Corpus 1,
auditory 201

Секция: «Оптимальное управление»

Section Secretary: Borikhanov M. B.

Moderators: Aliev Fikret, Kerimbekov Akylbek, Mussabekov Kalimulla

Уақыты Time Время	Баяндамашылар Speakers Выступающие	Баяндама тақырыбы Report topic Тема доклада
14.00 – 14.15	Abdyldaeva Elmira, Ermekbaeva Ayzhan	On solvability of nonlinear optimization problem for oscillation processes when vector control
14.15 – 14.30	Hajiyeva Nazile, Safarova Nargiz, Aliev Nihan, Aliev Fikret	Problems of optimal controls for the motion of oscillatory systems with liquid dampers
14.30 – 14.45	Mussabekov Kalimulla	The problem of optimal control of the process in a model of a chemical reactor
14.45 – 15.00	Soyibboev Ulmasjon, Turgunboyeva Mohisanam	The nonlinear differential game in the case of the l-catch
15.00 – 15.15	Samatov Bahrom, Turgunboyeva Mohisanam	The l-capture problem in a differential game with inertial players
15.15 – 15.30	Nazarov Serdar, Rakhimov Muhametberdi	The problem of optimal design of a circular arch
15.30 – 15.45	Sadigov Misreddin, Akhundov H.S.	Optimal control processes described by the Goursat-Darboux equation
15.45 – 16.00	Tagaeva Sabina	Empty corners phenomenon for model of repulsive discrete electrical charges within convex polygons
16.00 – 16.20	Кофе-брейк Coffee break	
16.20 – 16.35	Kerimbekov Akylbek	Synthesis of Distributed and Boundary Controls in the Tracking Problem for Nonlinear Optimization of Oscillatory Processes
16.35 – 16.50	Korpebay Guldana	Solvability and method for constructing an approximate solution of the fredholm integral equation of the first kind



GMT + 6

21.09.2022, Бейсенбі/Thursday/Четверг

**Ректорат, 8
этаж, сенат
залы**

Секция: «Математикалық және компьютерлік модельдеу»

Section: «Mathematical and computer modeling»

**Rectorate, 8th
floor, senate hall**

Секция: «Математическое и компьютерное моделирование»

Section Secretary: Muratbekova M.A.

**Ректорат,
8 этаж, зал
сената,**

Moderators: Makhmudov Jamol, Usenkanov Dzhumabai

**Уақыты
Time
Время**

**Баяндамашылар
Speakers
Выступающие**

**Баяндама тақырыбы
Report topic
Тема доклада**

14.00 – 14.15

Abdushukurov
Abdurahim, Bozorov
Sukhrob

On estimation of distribution function by
presmoothed relative-risk function

14.15 – 14.30

Akabirkhodjaeva
Dilfuza

Stages of solving problems by the method of
analysis of hierarchies in the mpriority program

14.30 – 14.45

Aliyev Fikret,
Mutallimov
Mutallim, Veliyeva
Naile, Salehov Adil

Problems of stabilization by motion of quadcopter
by GPS data

14.45 – 15.00

Asankulova
Mayramkan,
Iskandarova
Gulsunay

Mathematical model of the problem of optimizing
production taking into account rental acreage by
the criterion of maximum

15.00 – 15.15

Baimbetov
Dinmukhambet,
Syrlybekkyzy Samal,
Belyayev Yerzhan,
Kaltayev Aidarkhan

Modeling of heat transfer processes in a solar
thermal desalination system

15.15 – 15.30

Baizakov Asan,
Bekturova Aida

Study of solutions of one class of Volterra integral
equations with a singular point

15.30 – 15.45

Baizakov Asan,
Kazakbaeva
Zamirgul

Construction of high order mathematical
models of the magic square and their computer
simulation

15.45 – 16.00

Dudysheva Elena

Communicating Processes Simulation in Agile
Management for Student Teams Projects of
Software Development

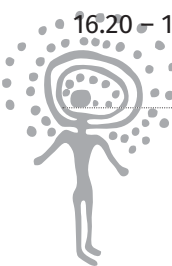
16.00 – 16.20

Кофе-брейк
Coffee break

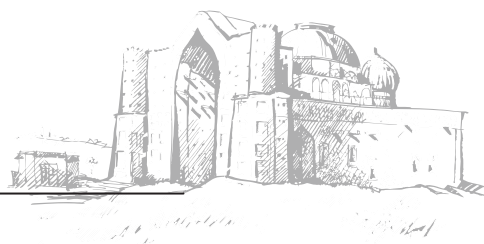
16.20 – 16.30

Fayziev Bekzodjon

Numerical study of two-component suspension
filtration in a porous medium with dynamical
factors



16.30 – 16.40	Hasanoglu Elman	Complex Rays and Thick Lenses
16.40 – 16.50	Issin Meyram, Gaysina Aruzhan	Mathematical model of the problem of consumer behavior in the market
16.50 – 17.00	Zhumagulov Bakytzhan, Zhumali Ainur, Zhakebayev Dauren	Solid particle dynamics simulation based on TLBM-IBB
17.00 – 17.10	Kabulov Anvar, Normatov Ibrokhimali, Baizhumanov Sattar, Yarashov Inomjon	Models, methods and algorithms for monitoring environmental impact on agricultural production
17.10 – 17.20	Kaytarov Zokhidjon, Burnashev Vladimir	A mathematical model of two-phase filtration in a porous medium taking into account its deformation
17.20 – 17.30	Kharin Stanislav, Kulakhmetova Adiya, Shpadi Yuriy	Generalized Stefan problem for the mathematical modeling of the electrical arc transition from metallic to gaseous phase
17.30 – 17.40	Kabulov Anvar, Babadzhanov Alimdzhan, Saymanov Islambek	Algebraic methods for solving recognition problems with non-crossing classes
17.40 – 17.50	Khojimurodova Madinakhon	To numerical modeling of nonlinear diffusion processes
17.50 – 18.00	Khuzhayorov Bakhtiyor, Dzhiyanov Tursunpulot, Eshdavlatov Zarifzhon	Anomalous solute transport in an element of a fractured-porous medium
18.00 – 18.10	Khuzhayorov Bakhtiyor, Usmonov Azizbek, Kholliev Fakhriddin	Two-dimensional problem of anomalous transport in a two-zone fractal porous medium



GMT + 6

22.09.2022, Жұма/Friday/Пятница

**Ректорат, 8
этаж, сенат
залы**

Секция: «Математикалық және компьютерлік модельдеу»

Section: «Mathematical and computer modeling»

**Rectorate, 8th
floor, senate hall**

Секция: «Математическое и компьютерное моделирование»

Section Secretary: Muratbekova M.A.

**Ректорат,
8 этаж, зал
сената,**

Moderators: Baizakov Asan, Zhakebayev Dauren, Khuzhayorov Bakhtiyor

**Уақыты
Time
Время**

**Баяндамашылар
Speakers
Выступающие**

**Баяндама тақырыбы
Report topic
Тема доклада**

14.00 – 14.15

Usenkanov
Dzhumabai, Bakirova
Nurzat

Turbulent Flow of Isothermal Fluid in a Pipe

14.15 – 14.30

Khuzhayorov
Bakhtiyor, Djiyanov
Tursunpulot, Zokirov
Muhammad

Generalized Relaxational Fractional Differential
Model of Fluid Filtration in a Porous Medium

14.30 – 14.45

Maatov Kengeshbek,
Obodoeva Gumushai

The problem to determine the optimal size of
credit and rented area in the production of
products

14.45 – 15.00

Makhmudov Jamol,
Usmonov Azizbek,
Kuljanov Jakhongir

Numerical solution of anomalous filtration
problem in a porous medium

15.00 – 15.15

Mamedova Yegana

Investigation of $\gamma^* + \gamma \rightarrow \eta(\eta')$ transitions using
the mesons infrared renormalon corrected
distribution amplitudes

15.15 – 15.30

Rysbaiuly Bolatbek,
Tokmukhamedova
Fatima

Obtaining the solution of the acoustic wave
equation using Laplace transform

15.30 – 15.45

Temirbekov Nurlan,
Kenzhegulov Beket,
Kenzhegulova C.B.,
Yakupova A.B.

Numerical study of the temperature value at nodal
points of a complex-shaped body

15.45 – 16.00

Nigmanova Dilobar

Numerical modeling of diffusion processes in two-
component nonlinear media with variable density
and source in critical cases

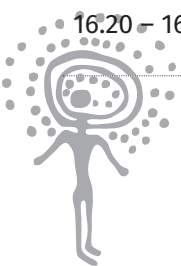
16.00 – 16.20

Кофе-брейк
Coffee break

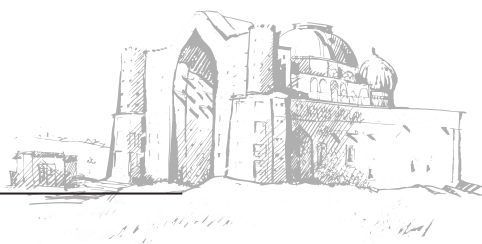
16.20 – 16.30

Rysmendeyeva
Gulbanu

Application of machine learning methods for the
analysis of data from socio-economic survey



16.30 – 16.40	Saidov Abdusobir	Mathematical model of optimal management of the customs clearance process
16.40 – 16.50	Teshaeva Madina	The method of summing divergent series by reducing to a repeated series
16.50 – 17.00	Букенов Махат, Мухаметов Елдос	Двусторонние оценки в методах фиктивных областей
17.00 – 17.10	Джаманбаев Мураталы, Душенова Умут	Анализ и оценка аналитических решений математических моделей таяния мерзлого грунта
17.10 – 17.20	Nauryz Targyn, Kharin Stanislav	Non-classical cylindrical Stefan problem with a source (sink) of heat on the axis of the cylinder
17.20 – 17.30	Темирбеков Нурлан	Численное моделирование динамики пограничного слоя атмосферы, переноса вредных примесей и диффузии
17.30 – 17.40	Байтелиева А.А., Заманова С.К., Шакенов Канат	Численное моделирование задачи Стефана для стандартных опционов покупателя и продавца
17.40 – 17.50	Rakhmonov Zafar, Alimov Akrom	On the behaviors of solutions of a nonlinear diffusion system with a source and nonlinear boundary conditions
17.50 – 18.00	Utebaev Bakhadir, Tokaeva Khoshruy, Utebaeva Aziza	On the stability of nonlinear difference equations and some of their applications
18.00 – 18.10	Omorov Roman	Applications of the Method of Topological Roughness to the Study of Roughness, Bifurcations and Chaos in Synergetic Systems
18.10 – 18.20	Adamov Abilmazhin, Gabbasov Mars, Kussebay Azamat	D - оптимальные планы в случае функции Хаара



GMT + 6

21.09.2022, Бейсенбі/Thursday/Четверг

**Ректорат,
4 этаж,
конференция
залы**

**Секция: «Есептеу және ақпараттық технологиялар»
Section: «Computational and information technologies»**

Секция: «Вычислительные и информационные технологии»

**Ректорат,
4 этаж,
конференц-
зал,**

Секретарь секции: Еркишева Ж.С.

**Moderators: Shakenov Kanat, Temirbekov Almas, Abdushukurov
Fazikhuddin**

**Rectorate, 4th
floor, conference
hall**

**Уақыты
Time
Время**

**Баяндамашылар
Speakers
Выступающие**

**Баяндама тақырыбы
Report topic
Тема доклада**

14.00 – 14.15

Dossan Baigereyev,
Nurlan Temirbekov,
Muratkan
Madiyarov, Yerzhan
Malgazhdarov

Machine learning algorithms for predicting
propagation of impurities in atmosphere

14.15 – 14.30

Fazikhuddin
Abdushukurov

Neutrosophic technologies

14.30 – 14.45

Umurdin Dalabaev

A new approach to the approximate solution of
differential equations

14.45 – 15.00

Kanat Shakenov,
Ilyas Shakenov

Numerical modeling of the stefan problem in
financial mathematics

15.00 – 15.15

Saya Sapakova,
Askar Sapakov,
Nurmaganbet
Yesmukhamedov

Computer System for Diabetic Retinopathy
Treatment Support through Eye Data Processing
and Analysis

15.15 – 15.30

Жанарс
Абдираманов,
Абдумаувлен
Бердышев

Устойчивость численного решения разностной
задачи для уравнения Сен-Венана

15.30 – 15.45

Mikhail Babenko,
Vladislav Lutsenko

An Effective Method of Conversation Numbers
from Residue Number System to Positional
Notation

15.45 – 16.00

Marzhan Bekbolat

Ways to improve soft skills in future it specialists

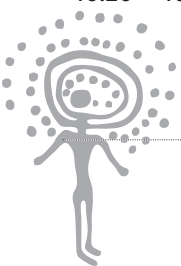
16.00 – 16.20

Кофе-брейк / Coffee break

16.20 – 16.30

Alexander Rogovoy,
Yegemberdi
Tenizbayev,
Dilshodkhon
Saidullayev

Creation and evolution of the miras university
educational process automated control system



16.30 – 16.40	Dilshod Akhmedov	About an optimal method for the approximate solution of singular integral equations
16.40 – 16.50	Samandar Babaev, Abdullo Hayotov	An Optimal Quadrature Formulas for Numerical Integration of Riemann-Liouville Fractional Integral
16.50 – 17.00	Askat Aisanov, Zhumazhan Kulmagambetova	Implementation of the zabbix system for remote monitoring of the operation of the equipment of the television and radio broadcasting center
17.00 – 17.10	Javlon Davronov	Properties of the some discrete analogue
17.10 – 17.20	Negmurod Doniyorov, Abdullo Hayotov	Construction of basis functions for finite element methods
17.20 – 17.30	Vladislav Lutsenko, Antonina Fedina	Research on Cryptographic Secret Sharing Schemes
17.30 – 17.40	Yegenberdiyev Dilmurod	Application of modern educational technologies on the example of Farabi physics
17.40 – 17.50	Ramankulov Sherzod	The use of steam technology for the development of applied physics teaching
17.50 – 18.00	Kurbanbekov Bakitzhan	Possibilities of developing the applied orientation of physics based ON 3D modeling technology
18.00 – 18.10	Usenkanov Zhumabay	Турбулентное течение изотермической жидкости в трубе

GMT + 6

22.09.2022, Жұма/Friday/Пятница

**Ректорат,
4 этаж,
конференция
залы**

Секция: «Есептеу және ақпараттық технологиялар»

Section: «Computational and information technologies»

Секция: «Вычислительные и информационные технологии»

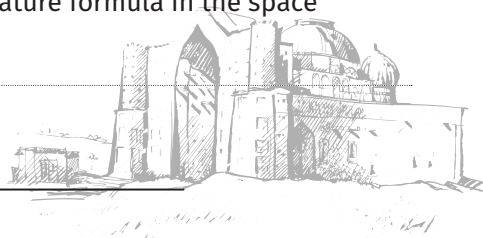
**Rectorate, 4th
floor, conference
hall**

Section Secretary: Yerkisheva Zh.S.

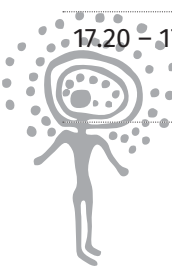
**Ректорат,
4 этаж,
конференц-
зал,**

Moderators: Berdyshev Abdumauvlen, Abdullo Hayotov, Zaurbekov Nurgali

Уақыты Time Время	Баяндамашылар Speakers Выступающие	Баяндама тақырыбы Report topic Тема доклада
14.00 – 14.15	Egor Shiriaev, Mikhail Babenko	Building Reliable and Secure Fog Data Systems
14.15 – 14.30	Abdimumin Kurbonnazarov, Abdullo Hayotov	An optimal quadrature formula in the space $K_2^{(m)}(0, 1)$



14.30 – 14.45	Otabek Gulomov, Kholmatvay Shadimetov	On one algorithm for finding the faces of the Voronoi domain of the second perfect form
14.45 – 15.00	Kholmat Shadimetov	Compound cubature formulas on a lattice
15.00 – 15.15	Abdullo Hayotov, Umedjon Khayriev	On Optimal Quadrature Formulas for Approximation of Fourier Integrals and Their Applications to CT Image Reconstruction
15.15 – 15.30	Maira Bedebayeva	Use of gamification elements in computer science
15.30 – 15.45	Ulzhan Makhazhanova, Seyit Kerimkhulle, Ainur Saliyeva, Aislu Kassekeyeva, Alibek Adalbek, Roman Taberkhan	Algorithm for assessing the Creditworthiness of Enterprise Using the Method Based on Fuzzy Logic
15.45 – 16.00	Abdullo Hayotov, Bobomurod Boytillayev	Optimal formulas for the approximate solution of the general Abel integral equations in the Hilbert space
16.00 – 16.20	Кофе-брейк Coffee break	
16.20 – 16.30	Almas Temirbekov, Laura Temirbekova, Srym Kasenov	Numerical solution of the Burgers equation by the conjugate optimization method
16.30 – 16.40	Zamirgul Kazakbaeva, Meerimkan Raimkulova	Analysis of CRM-system application
16.40 – 16.50	Bakytzhan Zhumagulov, Dinara Tamabay	Modeling of the boundary layer of the atmosphere of an industrial city with harmful impurities
16.50 – 17.00	Batyigul Bayachorova	Mathematical models for independent computer presentation of scientific notions
17.00 – 17.10	Alexander Rogovoy, Lyudmila Ignashova, Tatyana Zhukova, Yegemberdi Tenizbayev	Design and development of a mobile gaming application for studying the history of kazakhstan
17.10 – 17.20	Nurgali Zaurbekov, Allayarbek Aidosov, Galym Aidosov, Nurbike Zaurbekova, Gulzat Zaurbekova	Mathematical modeling of the transfer and dispersion of harmful emissions of the surface layer of the atmosphere and the technique of numerical experiments in environmental disasters
17.20 – 17.30	Tamabay Dinara, Kasenov Srym	Predicting respiratory disease risk from atmospheric pollution using Random Forest algorithm: A case study in Almaty, Kazakhstan



17.30 – 17.40	Bezuglova Ekaterina, Babenko Mikhail	Adaptation of active safety methods and algorithms for use in fog computing
17.40 – 17.50	Омариева Динара	Математическое моделирование процесса неравновесной фильтрации несжимаемой жидкости
17.50 – 18.00	Zakirov Askar, Kuldibaeva Lutfiya	Истечение идеальной жидкости из конических насадков
18.00 – 18.10	Yessenova Moldir, Abdikerimova Gulzira	Текстуралық кескіндердегі біртекті аймақтарды анықтау және ерекшелік әдістері
18.10 – 18.20	Ashirbek Zhakash	Eigenvalues and vectors computation by the Faddeev method in a computer mathematics system
18.20 – 18.30	Akmatbekova Azat, Mambetakov Esenbek	Организация и разработка лабораторных занятий с использованием электронного учебно-методического пособия по физике
18.30 – 18.40	Temirbekov Nurlan, Kerimayn Ainur	Solving an orthogonal curvilinear Lattice by constructing a differential equation in two-dimensional space
18.40 – 18.50	Abdumauvlen Berdyshev, Kulzhamila Boranbek	Finite element method for a fractional order stochastic Stokes-Darcy model

GMT + 6

21.09.2022, Бейсенбі/Thursday/Четверг

**3 корпус,
301 аудитория**

Мини-симпозиум: «Білім беруде ақпараттық технологияларды пайдаланудың заманауи мәселелері»

**Corpus 3,
Auditory 301**

Mini-symposium: «Modern problems of using information technologies in education»

Мини-симпозиум: «Современные проблемы использования информационных технологий в образовании»

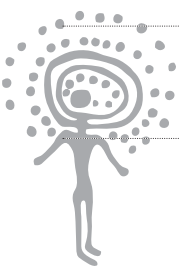
Section Secretary: Ramankulov Sh.

Moderators: Bidaibekov Esen, Pankov Pavel, Grinshkun Vadim

Уақыты Time Время	Баяндамашылар Speakers Выступающие	Баяндама тақырыбы Report topic Тема доклада
14.00 – 14.15	Zhanat Nurbekova, Bakyt Nurbekov	Teaching and learning in the era of generative artificial intelligence
14.15 – 14.30	Есен Бидайбеков, Гулдина Камалова, Такир Балыкбаев	К вопросу внедрения научного наследия аль-Фараби в современное образование



14.30 – 14.45	Такир Оспанов, Нургуль Курманғалиева, Есен Бидайбеков	Цифровой университет: современные тенденции
14.45 – 15.00	Lyazzat Zhunussova, Zhazira Yerimbetova	Current aspects and technologies of artistic modeling in computer graphics
15.00 – 15.15	Гулира Нурмуханбетова, Альмира Ибашова, Нуржан Абдулла	Қазақ ертегілерін цифрландыру – балаларды адами құндылықтарға тәрбиелеудің бір бағыты ретінде
15.15 – 15.30	Almira Ibashova, Damira Belessova	Problems of teaching programming to primary school students
15.30 – 15.45	Sofya Dreytser	The use of artificial intelligence systems in the framework of educational dialogues in learning process
15.45 – 16.00	Нурлан Каратаев, Альмира Ибашова	Бастауыш сынып оқушыларына робототехниканы оқытуда виртуалды лабораторияларды пайдаланудың маңыздылығы
16.00 – 16.20	Кофе-брейк Coffee break	
16.20 – 16.35	Айнур Сағымбаева, Надира Ниетбаева, Ольга Заславская	Қосымша білім беруде визуалды программалауға оқытудың цифрлық ортасы
16.35 – 16.50	Shyryn Tutkyshbayeva, Alma Zakirova	Internet of things in education: impact and expectations
16.50 – 17.05	Altynzer Baiganova	Formation of competencies for the use of ar technologies in computer science education
17.05 – 17.20	Алтыншаш Бекежанова, Есен Бидайбеков	Болашақ информатика мұғалімдеріне программалауды оқытуда визуалдау құралдарын қолдану
17.20 – 17.35	Svetlana Koneva, Esen Bidaybekov, Kambar Bedelov, Vadim Grinshkun	Методические основы подготовки будущих учителей информатики к использованию облачных технологий в профессиональной деятельности
17.35 – 17.50	Роза Бекмагамбетова	Информатизация педагогического наследия аль-Фараби
17.50 – 18.00	Гүлмира Скабаева, Қасымбек Алдияров, Ұлдана Болатхан	Колледжде ақпараттық-коммуникациялық технологияны қолдану ерекшелігі



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22.09.2022, Жұма/Friday/Пятница

3 корпус,
301 аудитория

Мини-симпозиум: «Білім беруде ақпараттық технологияларды пайдаланудың заманауи мәселелері»

Corpus 3,
Auditory 301

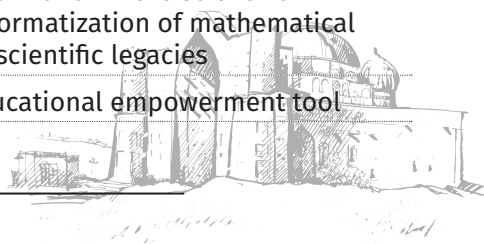
Mini-symposium: «Modern problems of using information technologies in education»

Мини-симпозиум: «Современные проблемы использования информационных технологий в образовании»

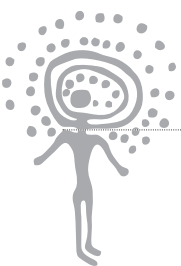
Section Secretary: Ramankulov Sh.

Moderators: Bidaibekov Esen, Pak Nikolay, Grigoriev Sergey

Уақыты Time Время	Баяндамашылар Speakers Выступающие	Баяндама тақырыбы Report topic Тема доклада
14.00 – 14.15	Pankov Pavel	Soft to conduct competitions and examinations in mathematics
14.15 – 14.30	Пак Николай, Оспанова Назгул	Модель диагностики STEAM-компетентности будущих педагогов-бакалавров по профилю «Математика»
14.30 – 14.45	Karabaeva Sonunbubu	Computer teaching of turkic languages: mathematical models of spatial notions
14.45 – 15.00	Altybaeva Meilikan, Sooronbaeva Kaukhar	Development of result-oriented assessment tools in physical and mathematical education
15.00 – 15.15	Такир Балыкбаев, Есен Бидайбеков, Вадим Гриншкун	Развитие цифровой среды в условиях глобализации образования
15.15 – 15.30	Sergey Grigoriev	Artificial Intelligence in Education
15.30 – 15.45	Andrey Zhuzhzhhalov, Sergey Grigoriev	The problem of vectorization of Russian and Turkic languages
15.45 – 16.00	Есен Бидайбеков, Николай Пак, Нуржамал Ошанова	Информатизация математического образования: к созданию электронных средств обучения математике
16.00 – 16.20	Кофе-брейк Coffee break	
16.20 – 16.30	Александр Гриншкун, Ермахан Жабаяев, Александр Кузнецов	Моделирование подготовки педагогов к использованию иммерсивных систем в качестве объекта и средства обучения
16.30 – 16.40	Zhaishylyk Sartabanov	Al-Farabi's place of honor in the scientific world and the informatization of mathematical education by his scientific legacies
16.40 – 16.50	Banu Umirzakova	ChatGPT is an educational empowerment tool



16.50 – 17.00	Halil Ibrahim Bulbul, Marzhan Bekbolat	Common elements and approaches in developing soft skills in future IT professionals
17.00 – 17.10	Гульнур Газиз, Светлана Конева	Операциялық жүйелерді оқытуда виртуализацияны қолдану ерекшеліктері
17.10 – 17.20	Barno Abdullaeva, Kamalbek Berkimbaev	Priorities and problems of STEAM education in Central Asia
17.20 – 17.30	Lyazzat Zhaidakbayeva, Nazira Rakhymbek	The use of an electronic conceptual terminological dictionary in the ict course
17.30 – 17.40	Альмира Ибашова, Дамира Белесова	Информатизация начального образования в Казахстане
17.40 – 17.50	Махаббат Ревшенова, Александр Гриншкун, Шырынкыз Шекербекова, Ермахан Жабаев	Классификация мобильных цифровых ресурсов используемых в обучении с учетом потребностей лиц с ограниченными возможностями здоровья
17.50 – 18.00	Meruert Yerekesheva, A. A. Ramankulov	Analysis of the teacher assessment system
18.00 – 18.10	Altynzer Baiganova, Altynshash Bekbauova, Nurshat Nauryzova, Meruert Yerekecheva	Basic concepts of stem education formation at school
18.10 – 18.20	Akmatbekova Azat	Application of the "MULTISIM" software environment when performing laboratory work of students in electrodynamics
18.20 – 18.30	Gulnur Abdimanapova, Sapargali Aldeshov, Lyazzat Zhaydakbaeva	The role of the project method in the development of cognitive needs of schoolchildren



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21.09.2022, Бейсенбі/Thursday/Четверг

3 корпус, 324
аудитория

Секция: «Теориялық және қолданбалы механика, тұтас орта механикасы»

Corpus 3,
auditory 324

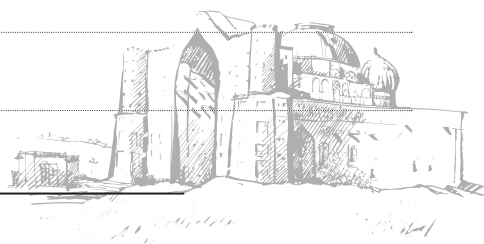
Section: «Theoretical and applied mechanics, continuum mechanics»

Секция: «Теоретическая и прикладная механика, механика сплошной среды»

Section Secretary: Sarsenov B.

Moderators: Kaltayev Aidarkhan, Aripov Mersaid, Tuleshev Amandyk

Уақыты Time Время	Баяндамашылар Speakers Выступающие	Баяндама тақырыбы Report topic Тема доклада
14.00 – 14.15	Kuliev Valeh, Morozov Evgeny, Kurbanmagomedov Arslan	Gradient deformation criterion of brittle fracture in solid bodies
14.15 – 14.30	Abenov Makhsut, Gabbassov Mars, Tuleshov Amandyk	On the continuum of exact solutions to the mass balance equation
14.30 – 14.45	Abenov Makhsut, Tuleshov Amandyk, Gabbassov Mars	On exact solutions to the mass balance equation
14.45 – 15.00	Kaspirovich Ivan, Mukharlyamov Robert	On some results of solving inverse dynamical problems with regard for Baumgarte constraint stabilization
15.00 – 15.15	Alexeyeva Lyudmila, Dadayeva Asijat, Ainakeyeva Nursaule	Boundary value problems of the dynamics of thermoelastic rods and their solutions
15.15 – 15.30	Aliuly Abdurashid, Seitov Abzal, Kaltayev Aidarkhan	Cfd analysis of centrifugal pump
15.30 – 15.45	Bodau Beket, Kaltayev Aidarkhan, Zhasulan Bazarlinov	Design of the impeller of a centrifugal pump using the law of affinity
15.45 – 16.00	Dzhanmuldaev Bakhitzhan, Janmuldayeva Assel, Dzhalbirova Zhainagan, Smakhanova Aizhan, Madelkhanova Aliya	Solution of one boundary value task of viscoelasticity in a nonlinear formulation, in the case of a cubic stress-strain relation
16.00 – 16.20	Кофе-брейк Coffee break	



16.20 – 16.35	Jaichibekov Nurbulat, Kurmanova Dinara, Zhumanbayeva Aizhan	Numerical calculation of the parameters of heat carriers in helicoid heat exchangers
16.35 – 16.50	Jamanbaev Murataly, Omuraliev Sagyndyk, Falaleev Gennady	Results of investigation of soil properties and stability calculation of Almaluu-Bulak landslide
16.50 – 17.05	Mukharlyamov Robert	On construction of a set of dynamics equations of a given structure with regard for the constraint stabilization
17.05 – 17.20	Kodakkal Kannan Viswanathan, Kaytarov Zokhidjon, Kholmurzayeva Nigora	Free vibration of cross-ply laminated plates under clamped boundary Condition: A Comparative study
17.20 – 17.35	Momysh Nazerke, Amanzholov Tannur, Jaichibekov Nurbulat	Design of centrifugal pump impeller based on hydraulic calculations
17.35 – 17.50	Kurumbayeva Nargiza, Turalina Dinara, Bekbau Bakbergen	Simulation Study of CO2 EOR in Oil Reservoirs of Kazakhstan
17.50 – 18.00	Ubiyev Arman, Aliuly Abdurashid	Study Of Thermal Comfort In Electric Vehicles



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22.09.2022, Жұма/Friday/Пятница

3 корпус, 324
аудитория

Секция: «Теориялық және қолданбалы механика, тұтас орта механикасы»

Corpus 3,
auditory 324

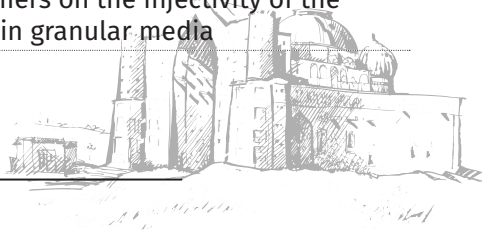
Section: «Theoretical and applied mechanics, continuum mechanics»

Секция: «Теоретическая и прикладная механика, механика сплошной среды»

Section Secretary: Sarsenov B.

Moderators: Alexeyeva Lyudmila, Dzhanmuldaev Bakhitzhan, Jamanbayev Murataly

Уақыты Time Время	Баяндамашылар Speakers Выступающие	Баяндама тақырыбы Report topic Тема доклада
14.00 – 14.15	Арипов Мерсаид, Ходжиев Сафар	Численные результаты исследование влияния исходного значения скорости и температуры горючего на параметры трехмерного факела
14.15 – 14.30	Тугельбаева Гулмира, Уразов Амангельды, Кожобеков Жанабай, Турымбетов Турсынбай	Математическая модель напряженно-деформируемого состояния упруго-вязко-пластической среды
14.30 – 14.45	Баймахан Рысбек, Мүтә Айжан	Состав, строения грунтов и горных пород марса
14.45 – 15.00	Тилейхан Алмагүл, Баймахан Рысбек	Қазақстан бойынша 2023 жылдың алғашқы тоқсанындағы сел тасқындары мен олардың алдын алу шаралары
15.00 – 15.15	Джаманбаев Мураталы, Омуралиев Сағындық, Фалалеев Геннадий	Результаты исследований свойств грунта и расчета устойчивости оползневого склона Алмалуу-Булак
15.15 – 15.30	Бақтияр Багжанар, Нысанбай Оразгүл, Туралина Д.Е.	Шаған гидроэнергетикалық су электр станциясы гидротурбинасының тиімдісі пішінін моделдеу
15.30 – 15.45	Abdidin Alina, Seitov Abzal, Belayev Yerzhan	Melting enhancement of PCM in a tube latent heat thermal energy storage
15.45 – 16.00	Yeldoskyzy Kuralay, Turalina Dinara, Bekbau Bakbergen	Simulation of the effect of fractures and undissolved polymers on the injectivity of the polymer solution in granular media



16.00 – 16.20	Кофе-брейк Coffee break	
16.20 – 16.35	Akbarov Ummatali	System of equations of the coupled dynamic problems of a viscoelastic shell located in a temperature field
16.35 – 16.50	Raxmatullayev Muzaffar, Axmedov Olimxon	Translation-invariant p-adic generalized Gibbs measures for the sos model with four states
16.50 – 17.05	Zakirov Askar, Kuldibaeva Lutfiya	Истечение идеальной жидкости из конических насадков

GMT + 6

21.09.2022, Бейсенбі/Thursday/Четверг

Кітапхана, 2 қабат, конференц-зал **Секция: «Математиканы Оқыту Әдістемесі Және Математика Тарихы»**
Section: « Methods Of Teaching Mathematics And The History Of Mathematics»

Library, 2nd floor, conference hall **Секция: «Методика Преподавания Математики И История Математики»**

Библиотека, 2 этаж, конференц-зал **Section Secretary: Koshanova M.D.**

Moderators: Karaev Zhaunbay, Borboeva Gulnisa, Sagindykov Vimurat

Уақыты Time Время	Баяндамашылар Speakers Выступающие	Баяндама тақырыбы Report topic Тема доклада
14.00 – 14.15	Қараев Жауынбай, Кобдикова Жанартай	Технология трехмерной методической системы обучения – эффективный механизм гарантированного обеспечения качества образования
14.15 – 14.30	Kornilov Victor	Humanitarian aspects of teaching inverse problems for differential equations
14.30 – 14.45	Папышев Алпыс	Эффективный метод решение задач по планиметрии
14.45 – 15.00	Arzikulov Abdixalik	The system of tasks for the development of creative abilities of students
15.00 – 15.15	Attokurova Anarkan	Training a future teacher of mathematics: implementation of the educational module methodological training of a teacher of mathematics in the basic curriculum
15.15 – 15.30	Borboeva Gulnisa, Matieva Gulbadan	The value of interpretation in the development of spatial thinking
15.30 – 15.45	Gurbanov Pirmyrat, Chashemov Murat, Eminov Eziz	Open mathematical olympiad for university students



15.45 – 16.00	Abdrakhmanova Nurzhamal	Development of students' research skills through a problem-oriented model
16.00 – 16.20	Кофе-Брейк Coffee Break	
16.20 – 16.35	Худай-Веренов Маммет	Некоторые замечания относительно теплового потока
16.35 – 16.50	Kedeibaeva Maksat, Kedeibaeva Dilbar	Educational conditions to develop cognitive interest of technical college students in learning mathematics
16.50 – 17.05	Kenenbaeva Gulai	Effects, phenomena, basic complexes in mathematics
17.05 – 17.20	Sagindykov Bimurat, Turusbekova Balzhan	Continuity in teaching geometry in middle and high schools
17.20 – 17.35	Кудыралиев Сыргак, Urdaletova Anarkul	Differential equations. Sherlock Holmes and other applications
17.35 – 17.50	Қараев Жауынбай, Кобдикова Жанартай	Трансформация системы образования на основе STEM подхода как условие подготовки конкурентоспособного человеческого капитала в современном мире
17.50 – 18.00	Nyshanbayeva Karlygash, Amirbekuly Aldanazar	The role of constructive learning of mathematics in education

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22.09.2022, Жұма/Friday/Пятница

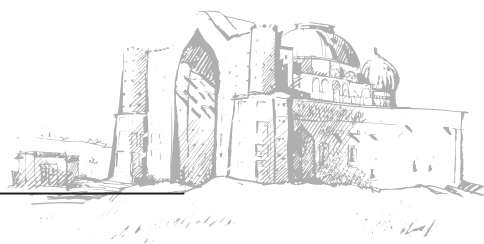
Кітапхана, 2 қабат, конференц-зал **Секция: «Математиканы Оқыту Әдістемесі Және Математика Тарихы»**
Section: « Methods Of Teaching Mathematics And The History Of Mathematics»

Library, 2nd floor, conference hall **Секция: «Методика Преподавания Математики И История Математики»**

Библиотека, 2 этаж, конференц-зал **Section Secretary: Koshanova M.D.**
Moderators: Abylkassymova Alma, Kornilov Victor, Kenesbayev Serik

Уақыты **Баяндамашылар** **Баяндама тақырыбы**
Time **Speakers** **Report topic**
Время **Выступающие** **Тема доклада**

14.00 – 14.15	Abylkassymova Alma	On the historical aspects of the formation of the continuity of teaching mathematics at school and pedagogical university
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14.15 – 14.30	Қадырбаева Багдагуль, Жантлеуов Кенжебек	Ықтималдықтар теориясы мен математикалық статистика курсының оқытуда ақпараттық технология жетістіктерінің қолданылу ерекшеліктері
14.30 – 14.45	Zhakupbekova Gulnar	The theoretical basis and practical implementation methodological training of mathematics teachers in an innovative manner.
14.45 – 15.00	Алибекова Жазира, Аширбаев Нургали, Сарсенов Бакытбек	Метод математического моделирования при изучении производной
15.00 – 15.15	Amantay Zhuldyz, Ermakov Dmitry, Kurbanmagomedov Arslan, Berkimbaev Kamalbek	Педагогические особенности развития «гибких» навыков у будущих математиков
15.15 – 15.30	Бостанов Бектас, Кеңесбаев Серік, Суранчиева Зинагүл	Цифрлық білім беру жағдайында болашақ информатика мұғалімдерін дайындауда дискретті математика элементтерін оқытудың әдіс-тәсілдері
15.30 – 15.45	Папышев Алпыс, Ханжарова Баян	Оқушыларды есептерді тригонометриялық алмастыру тәсілін пайдаланып шығаруға баулу
15.45 – 16.00	Нышанбаева Жанар, Омашова Гаухар, Конюшенко Светлана	Сущность и структура математической компетентности будущих педагогов по естественнонаучным предметам
16.00 – 16.20	Кофе-Брейк Coffee Break	
16.20 – 16.35	Nyshanbayeva Karlygash, Amirbekuly Aldanazar	The role of constructive learning of mathematics in education
16.35 – 16.50	Myrzabekov Telzhan, Zhetpisbayeva Gulzhan	Formation of research skills of gifted students of the secondary school in the process of solving mathematical problems
16.50 – 17.05	Жаныс Арай	Проблемные вопросы математики в 5 классе
17.05 – 17.20	Төлеген Аружан	Мектеп математикасындағы элективті курс маңыздылығы
17.20 – 17.35	Тургунбаев Рыскелди	О тезаурусном подходе к обучению математике
17.35 – 17.50	Karasheva Tamara	Some aspects of the problems solution methodology in mechanics
17.50 – 18.00	Semenov Alexei	Theory of definability – the geometry of logic



