Isfahan University of Technology

IUT International E-Newsletter

A Window to International Activities of IUT

Volume 5, Issue No. 4

Special Issue
IPhO2024

What we read in this issue:

- IPhO 2024 Overview
- The Welcoming Speeches
- IPhO 2024 at a Glance

IUT International

Overview

Iran & IPhO 2024

Once Again Iran...

54th International Physics Olympiad

International Physics Olympiad
Iran I Isfahan I 2024

Map Design Based on: https://www.vecteezy.com

The Islamic Republic of Iran proudly hosted the 54th International Physics Olympiad (IPhO) in 2024, 17 years after its successful run as the venue for the 38th edition. Held at Isfahan University of Technology from July 21st to 29th, the competition fostered a vibrant international atmosphere and aimed to strengthen unity, peace, and understanding among participating nations.

Iran has a strong tradition of hosting international science Olympiads, having previously held competitions in Astronomy, Computer Science, and Biology. The 54th IPhO was conducted in-person at Isfahan University of Technology, with the primary support of the Ministry of Education of the Islamic Republic of Iran and cooperation from Shahid Rajaee Teacher Training University.

Learn More:

For further information about the 54th IPhO, please visit the official website: https://www.ipho2024.ir

Overview

IPhO & ISFAHAN: A Memorable Experience

The Islamic Republic of Iran has a rich history of hosting international science Olympiads, including Astronomy, Computer Science, and Biology. The organizing committee of the 54th IPhO was dedicated to creating a memorable and enriching experience for participating youth, team leaders, and guests.

Isfahan, renowned for its picturesque landscapes, historical landmarks, cultural attractions, and hospitable people, was the ideal choice as the host city. The city's unique charm undoubtedly left a lasting impression on all attendees.

Drawing upon 35 years of experience in organizing the national physics Olympiad, skilled Iranian physicists developed challenging and intellectually stimulating problems for the competition. The aim was to create a rigorous and educational scientific experience.

A Return to Isfahan

Isfahan University of Technology previously hosted the 38th International Physics Olympiad in 2007. The 54th IPhO was also held in-person at the university.

Overview

International Physics Olympiad (IPhO)

Promoting Physics Education

Recognizing the increasing importance of physics in all areas of science, technology, and general education, the International Physics Olympiad (IPhO) was established. This annual competition aims to enhance international collaboration in physics education for secondary school students. The IPhO is an individual competition that fosters intellectual growth and global connections.

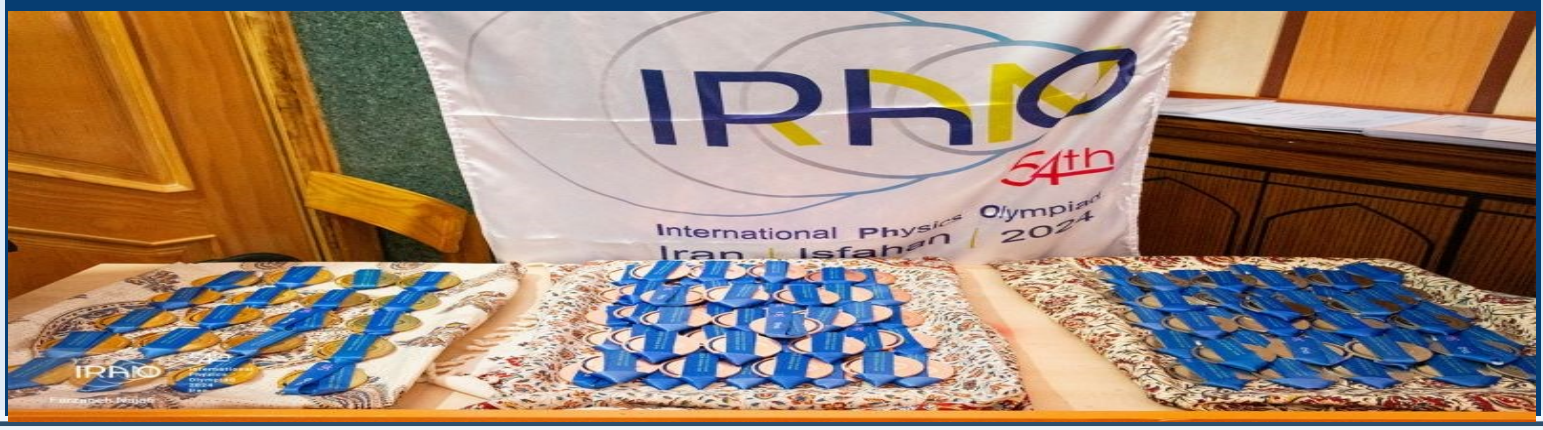
A Growing Competition: The History of the IPhO

The first International Physics Olympiad (IPhO) was held in Warsaw, Poland, in 1967, with only five participating countries. Organized by Professor Czesław Ścisłowski, the competition has grown significantly over the years, reaching a peak of 92 participating delegations at the IPhO 2018 in Portugal.

During its evolution, the IPhO has undergone various changes, including the size of delegations, the number of theoretical and experimental problems, and the level of difficulty. The competition's organizational and academic aspects are now outlined in its statutes and syllabus, which can only be amended through decisions made by the International Board.

The IPhO Competition Format

The IPhO consisted of two parts: a theoretical exam and a practical exam, each lasting five hours. A day of rest was scheduled between the two exams.
The theoretical exam included three problems, while the practical exam could cover one or two problems from different fields of physics. The theoretical exam was worth 30 points, and the practical exam had a maximum score of 20 points.Problems usually required creative thinking and the scope of knowledge specified in the Syllabus of the Olympiad. Exam problems were translated by the team leaders into the contestants` languages one day before examinations.



Overview

The IPhO Logo: A Symbol of Scientific Achievement

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The IPhO logo features a unique design that combines the words "IRAN" and "IPhO" at its center. The main background showcases wave fronts created by a moving source traveling faster than the wave speed in the medium. This phenomenon is known as Cerenkov radiation, which occurs when charged particles move through a dielectric medium at a speed exceeding the speed of light in that medium.

Overview

The Scientific Committee of IPhO 2024

Photo by:Dr. S. Shakeri

IPhO 2024

The 54th International Physics Olympiad (IPhO 2024) July 21 to 29, 2024 in Isfahan, Iran.

ORGANIZERS

Ministry of Education

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Overview

Executive Committee of IPhO 2024

The Welcoming Speeches

Welcome Message by the Minister of Education

Prof. K.M. Sahraei

The Minister of Education

Esteemed Guests,

On behalf of the Ministry of Education, I extend a warm welcome to all participants, teachers, and guests attending the International Physics Olympiad hosted by Iran. We are honored to celebrate the power of education in fostering unity, peace, and understanding among nations.

The Organizing Committee and Academic Committee have worked tirelessly to ensure the success of this event, demonstrating their unwavering commitment to scientific excellence. Physics demands creativity, innovation, and perseverance, qualities that are essential not only for scientific success but also for personal growth.

Let us acknowledge and appreciate the achievements of our young scientists, who embody the future of scientific discovery. This gathering not only celebrates their accomplishments but also recognizes the profound influence of such events in promoting peace, friendship, and global convergence.

Science plays a crucial role in shaping our world, and it is inspiring to witness the passion with which many of you embrace its frontiers. As we collaborate towards a shared goal, let us remember our shared humanity and forge lasting relationships that extend beyond this Olympiad.

I would like to express my sincere gratitude to all those who have made this event possible. Let us cherish this moment and reaffirm the significance of education in shaping the destiny of our planet.

The Welcoming Speeches

Welcome Message by President of Shahid Rajaee Teacher Training University

Prof. Ali Pourkamali Anaraki
President of Shahid Rajaee Teacher Training University in Tehran

Dear Contestants, Team Leaders, Guests, and Organizers of the IPhO,

I extend a warm welcome to all participants of the International Physics Olympiad 2024. This event, hosted by the Ministry of Education of Iran, provides a unique platform to showcase your talents and foster cultural exchange.

Shahid Rajaee Teacher Training University is honored to be part of this prestigious competition as one of the country's leading scientific institutions. We hope this event will enhance your scientific knowledge and skills while creating lasting memories.

Welcome to Iran, and I wish you success in this scientific competition.

Best wishes,

Welcome Message by the Head of the Organizing Committee

Prof. Bahmanabadi
Head of the Organizing Committee

Esteemed Participants, Teachers, and Guests,

I extend a warm welcome to all attendees of the International Physics Olympiad hosted by Iran. As the Head of the Organizing Committee, I am honored to welcome you to this event.

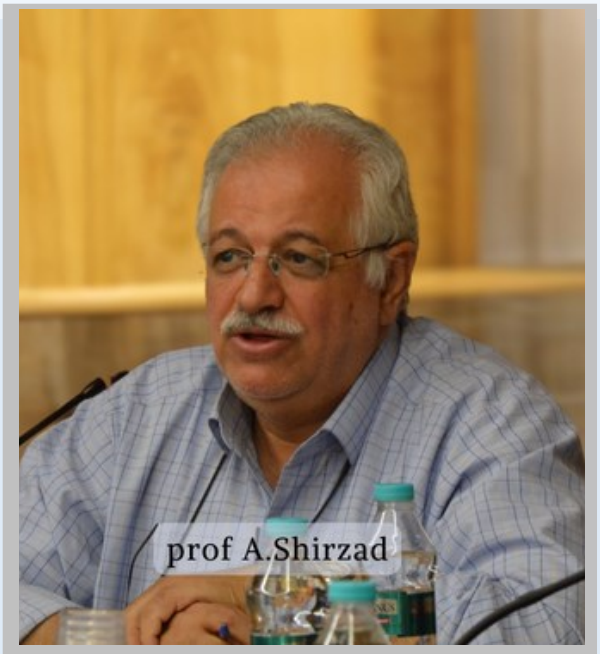
Our committee has dedicated the past year to ensuring a meticulously planned and flawlessly executed Olympiad that surpasses your expectations. We have strived to create a world-class platform for young physicists to showcase their skills, learn, and grow. This competition is not only about winning but also about celebrating science and learning. It is an opportunity for young minds from around the globe to come together, share knowledge, and form lifelong connections.

We are proud to host this prestigious event, which brings together the best and brightest young minds from across the world. We expect this event to be a remarkable display of passion, determination, and sportsmanship. You, young scientists, are the future of scientific discovery and progress, and we are honored to be part of your journey.

I would like to express my gratitude to all those who have contributed to making this event possible, including volunteers and sponsors. Thank you for your vital role in ensuring the success of this Olympiad. I wish you all the best of luck and hope this event will be memorable and rewarding for everyone.

The Welcoming Speeches

Welcome Message by the Head of the Academic Committee



Prof. A. Shirzad

Head of Academic Committee

Esteemed Guests,

The International Physics Olympiad (IPhO) is celebrating its sixth decade of existence, with 53 global physics competitions held over 57 years. Despite being a relatively low-cost and non-extravagant event, the IPhO has produced a notable number of prominent scientists, engineers, and experts.

In Iran, international scientific Olympiads have ignited enthusiasm and extensive efforts among young knowledge seekers, inspiring colleagues in other countries as well.

As the head of the scientific committee for IPhO 2024, I am proud to once again host my colleagues and competing teams from around the world.

Our team is dedicated to creating an enjoyable and challenging competition that will leave a positive impression and foster a friendly and respectful atmosphere in 2024. We look forward to welcoming you to Iran.

IRAN

Esfahan

The city of culture and art hosts the IPhO

Isfahan University of Technology is preparing to welcome guests of IPho2024

IPhO 2024's opening ceremony pt3

IPhO 2024: A Promising Future

The President of the World Physics Olympiad has commended Isfahan University of Technology for its successful hosting of the 2007 Olympiad. With the university's strong track record, the President expressed confidence in its ability to deliver another exceptional IPhO in 2024.

Prof. Rajdeep Singh Rawat

President of the World Physics Olympiad

IPhO 2024: A Global Gathering of Young Minds

Professor Rajdeep Singh Rawat, Head of the International Physics Olympiad, recently visited Iran to inspect the preparations for the 54th Physics Olympiad at Isfahan University of Technology. Impressed by the high-quality laboratory equipment and the organizers' expertise, Professor Rawat expressed confidence in Iran's ability to host a successful event.

The IPhO is a prestigious international competition that brings together talented young physicists from around the world to showcase their skills and knowledge in theoretical and experimental physics. Iran's strong track record in hosting previous Olympiads and its commitment to scientific excellence bode well for the 2024 event.

Iranian Team Participates in the 2024 Asian Physics Olympiad

Iranian students have traveled to Kuala Lumpur to participate in the 2024 Asian Physics Olympiad (APHO)

A talented group of Iranian students recently represented their country at the 24th Asian Physics Olympiad (APHO) held in Perak, Malaysia. This prestigious regional competition brings together the brightest young minds from across Asia and Oceania to test their skills in theoretical and experimental physics.

Dr. Aliasghar Shokri, the head of the Iranian national team, highlighted the significance of the APHO. He explained that this competition provides a platform for talented students to showcase their abilities and learn from their peers. The rigorous selection process for the Iranian team ensures that only the most exceptional students are chosen to represent the country.

The Iranian team, consisting of Seyyed Mohammad Hosseini, Kasra Sheikhi, Abolfazl Shiri, Bahrad Mohammadian, Sara Musayi, Farzin Gholivandan, Mohammad Amin Haghju, and Pooya Asteraki, participated in both theoretical and experimental exams. The competition's high standards, often exceeding those of the International Physics Olympiad, provided a challenging and rewarding experience for the students.

By participating in the APHO, Iranian students not only gain valuable experience but also contribute to strengthening Iran's position in the global physics community. The event fosters international collaboration and cultural exchange, allowing young scientists to connect with their peers from different countries.

As Iran prepares to host the 54th International Physics Olympiad in 2024, the experience gained from the APHO will be invaluable. The event will provide an opportunity for Iranian students to further enhance their skills and knowledge, ensuring their success in future international competitions.

A Grand Opening for the 2024 International Physics Olympiad

The 2024 International Physics Olympiad (IPhO) kicked off on July 22nd with a grand opening ceremony held at the Sheikh Bahaei Conference Hall. A total of 46 teams from around the globe gathered to participate in this prestigious scientific event.

The 2024 International Physics Olympiad (IPhO) officially commenced on July 22nd with a captivating opening ceremony held at the Sheikh Bahaei Conference Hall. The event was graced by the presence of 46 talented teams from across the globe.

The ceremony began with a recitation of verses from the Quran and the playing of the Iranian national anthem. Dr. Mirmohammadi Meibodi, President of Isfahan University of Technology, delivered a warm welcome speech, expressing his delight at hosting such a prestigious event and highlighting the inspiring impact it would have on Iranian students.

The audience was then treated to captivating video clips titled "Welcome to IUT" and "Preparing to Host the Event," showcasing the meticulous preparations and warm welcome extended to the participants.

The Iranian Minister of Education addressed the gathering, emphasizing Iran's rich history in the IPhO. He highlighted the impressive achievements of Iranian students, including 36 gold medals, 68 silver medals, 39 bronze medals, and 12 honorary diplomas. The Iranian team's remarkable victory in the 1997 IPhO and its consistent top-ten rankings further solidified Iran's position as a powerhouse in physics education.

The Minister also acknowledged the significant contributions of former IPhO participants, many of whom have gone on to become renowned physicists, engineers, and industry leaders. He expressed pride in the achievements of these individuals and their positive impact on society. Dr. Bahmanabadi, CEO of IPhO2024, said, The International Physics Olympiad, aimed at fostering young people's interest in this pioneering and commendable science, was initiated and globalized nearly six decades ago. We all equally consider ourselves as a family committed to making efforts toward this goal.

A Colorful Opening Ceremony for the 2024 IPhO

The opening ceremony of the 2024 International Physics Olympiad (IPhO) was a vibrant affair, filled with cultural performances and symbolic gestures. Dr. Bahmanabadi, CEO of IPhO2024, highlighted the IPhO's long-standing tradition of inspiring young minds and fostering a global community of physics enthusiasts.

A captivating performance by young Iranian athletes showcased the traditional sport of Pahlevani and Zoorkhaneh, captivating the audience with its strength, agility, and cultural significance.

The ceremony also marked a significant milestone with the unveiling of the commemorative stamp for IPhO2024. In the presence of the President of the International Olympiad, the Minister of Education, and the head of the Olympiad organizing committee, this event symbolized the importance of the IPhO and its impact on global science education.

As the participating teams paraded through the hall, the atmosphere was filled with excitement and anticipation. The stage was set for a week of intense competition, cultural exchange, and lasting friendships.

A Testament to Iran's Scientific Prowess

The President of Isfahan University of Technology, speaking at the opening ceremony of the 54th World Physics Olympiad, emphasized the significance of hosting this prestigious event. He highlighted that the presence of talented young physicists from around the world would inspire Iranian students and solidify Iran's position as a global leader in physics.

Dr. Seyyed Ali Mohammad Mir Mohammadi Meybodi, President of Isfahan University of Technology, extended a warm welcome to all attendees at the opening ceremony of the 54th International Physics Olympiad (IPhO). He expressed pride in hosting this prestigious event at the university, which boasts a strong academic reputation and a rich history.

Highlighting the university's commitment to scientific excellence, Dr. Meybodi mentioned its significant international collaborations with renowned organizations like CERN and SESAME. These partnerships, particularly within the Faculty of Physics, underscore the university's dedication to global scientific advancement.

The President emphasized that hosting the IPhO is a testament to Iran's growing stature in the field of physics. He expressed confidence in Isfahan University of Technology's ability, in collaboration with the Ministry of Education, to create an exceptional environment for the 54th IPhO.

In closing, Dr. Meybodi reiterated the university's warm welcome to the young physicists and their affiliates, expressing the hope that they would have a memorable and enriching experience in Iran.

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A Memorable Start to the 54th IPhO: The First Day

The first day of the 54th International Physics Olympiad (IPhO) was filled with a variety of activities designed to foster camaraderie, cultural exchange, and a deeper appreciation for Iranian culture.

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The Second Day

Students of International Physics Olympiad 2024 visit Raad Company and Handicrafts Exhibition on the second day

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The Event on the Third Day

Experimental Competition and Students' Visit to Historical Places in Isfahan on the Third Day

The Theory Test Review





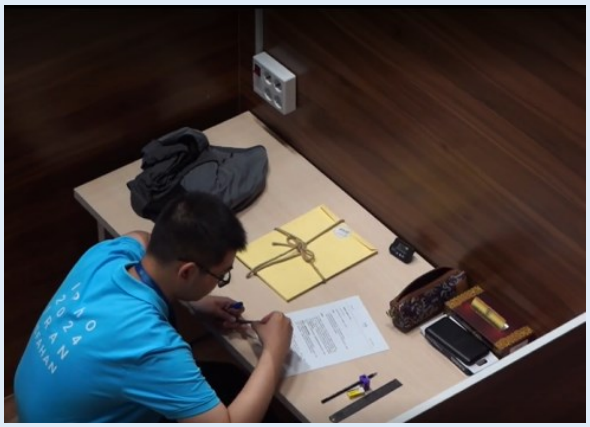





The Event on the Third Day

Experimental Competition and Students' Visit to Historical Places in Isfahan on the Third Day

The experimental test of the 54th International Physics Olympiad 2024


Visiting Historical Places in Isfahan



A Royal Welcome for IPhO 2024 Participants

IPhO 2024 continued its impressive run with a grand banquet hosted by the Mayor of Isfahan at the Laleh Garden. This elegant event provided a perfect opportunity for participants from around the world to relax, socialize, and experience the warm hospitality of the Iranian people.

The 54th International Physics Olympiad (IPhO 2024) continued to impress with a series of cultural and academic events. After exploring Isfahan's historical landmarks, participants were treated to a grand banquet hosted by the Mayor of Isfahan, Ali Ghasemzadeh.

The Mayor warmly welcomed the young scientists to the city, highlighting its rich history, cultural diversity, and scientific achievements. He emphasized Isfahan's long tradition of tolerance and peaceful coexistence, as well as its reputation as a center for education and innovation.

Ghasemzadeh also spoke about the city's strong educational institutions, including Isfahan University of Technology, which has a significant international presence. He expressed pride in the increasing number of international students choosing to study in Isfahan, reflecting the city's growing global influence.

The banquet provided an excellent opportunity for participants to network, exchange ideas, and enjoy the warm hospitality of the Iranian people.

Strengthening International Collaboration: A Key Focus of IPhO 2024

Dr. Peiman Mosaddegh, Director of IUT International, delivered a compelling speech at the banquet hosted by the Mayor of Isfahan. He highlighted the importance of attracting international students as a crucial step in fostering strong international scientific collaborations. By welcoming young minds from around the world, institutions like Isfahan University of Technology can create a vibrant and dynamic academic environment that drives innovation and research.

Dr. Peiman Mosaddegh, Director of IUT International Scientific Cooperation Center, extended a warm welcome to all participants and guests of the 2024 International Physics Olympiad (IPhO 2024). He emphasized the importance of this prestigious event in fostering international collaboration and inspiring young minds.

Dr. Mosaddegh highlighted the significance of attracting international students in advancing scientific research and innovation. By creating a diverse and inclusive academic environment, universities can foster groundbreaking ideas and collaborations. He underscored IUT's commitment to expanding its global network and welcoming talented students from around the world.

A Day of Intense Competition and Cultural Exploration

The fourth day of the 54th International Physics Olympiad (IPhO 2024) was marked by intense competition and cultural exploration.

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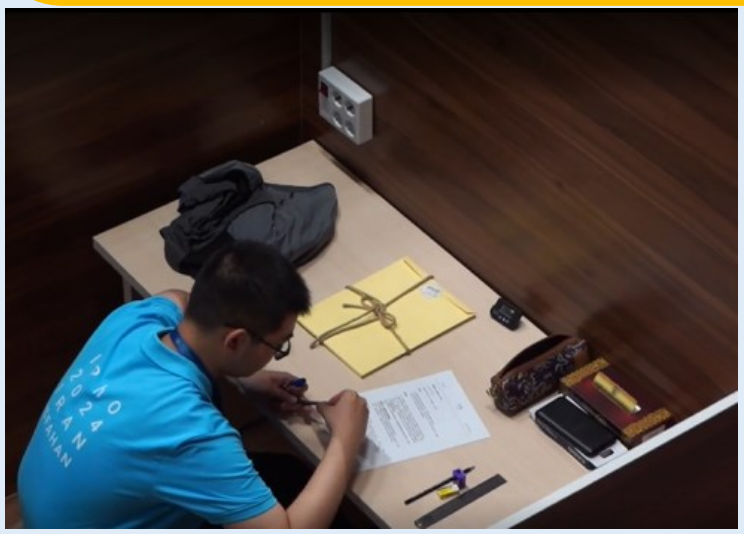

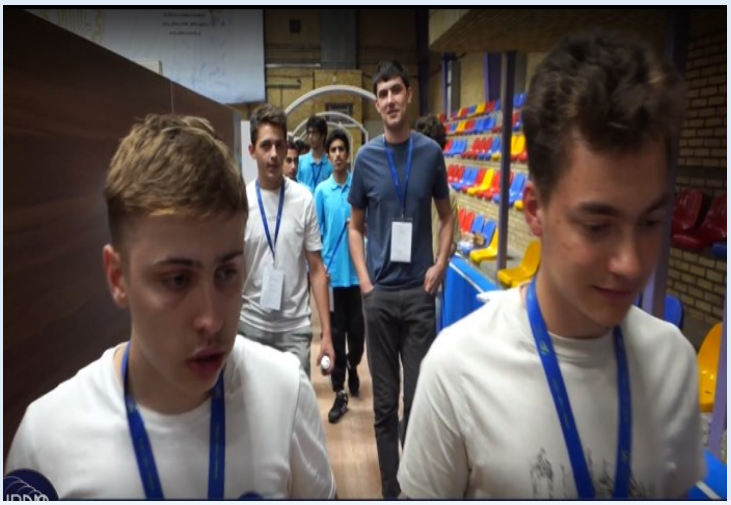

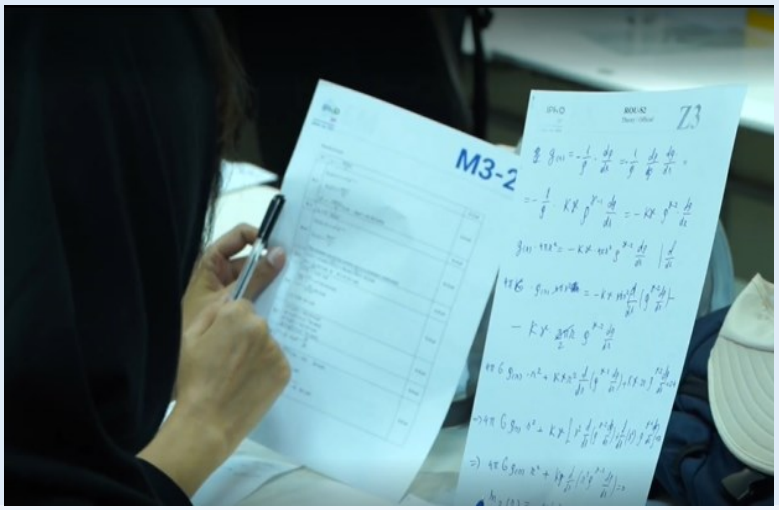

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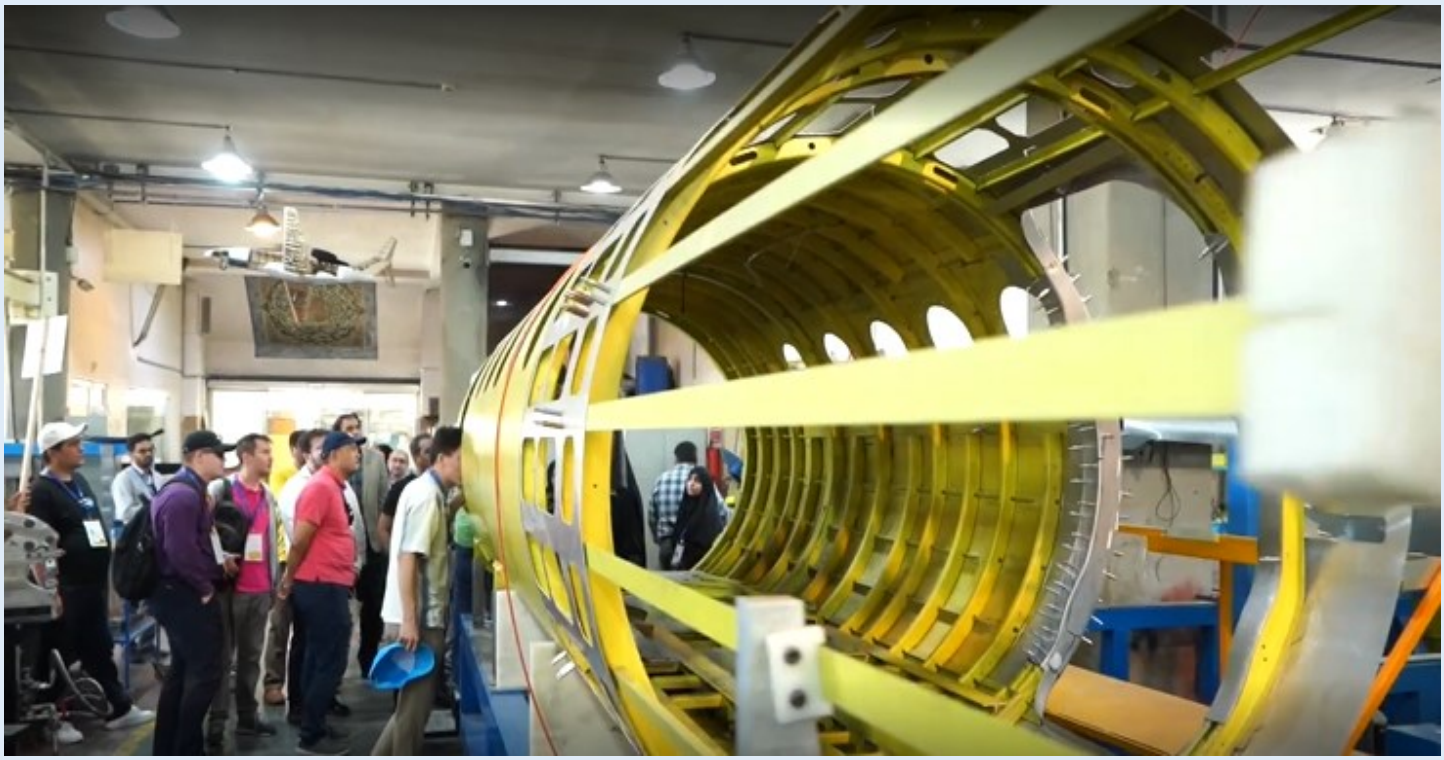

The Culmination of Intellectual Effort: The IPhO 2024 Theory Exam

IPhO 2024 reached a crucial stage with the highly anticipated theory exam. Talented young physicists from around the world gathered to demonstrate their knowledge and problem-solving skills in this rigorous intellectual challenge.

The 54th International Physics Olympiad (IPhO 2024) reached a critical stage with the highly anticipated theory exam. Held on the fifth morning of the Olympiad at the Sports Hall of Isfahan University of Technology, the exam presented three challenging problems designed to test the participants' knowledge and problem-solving skills.

The questions, developed by a dedicated team of experts, were carefully crafted to align with the IPhO syllabus while addressing contemporary physics topics. The first question delved into the pressing issue of global warming, requiring participants to apply their understanding of thermodynamics to analyze the Earth's energy balance. The second question explored the fascinating world of atomic physics, drawing inspiration from Nobel Prize-winning research in laser cooling and trapping. The third question focused on astrophysics, inviting participants to investigate the evolution of binary star systems.

The team leaders of participating countries commended the quality of the questions, acknowledging their ability to differentiate between students of varying abilities. The problems were designed to challenge even the most talented young physicists, encouraging them to think critically and creatively.

The successful execution of the theory exam is a testament to the meticulous planning and hard work of the organizers. The IPhO 2024 continues to inspire and challenge young minds, fostering a global community of passionate physicists.

A Grand Finale: The Closing Ceremony of a Successful IPhO 2024

The 54th International Physics Olympiad (IPhO 2024) concluded with a grand closing ceremony held at the Sheikh Bahai Hall of Isfahan University of Technology. The event was attended by officials, participants, and supervisors from various countries.

The 54th International Physics Olympiad (IPhO 2024) came to a spectacular conclusion with a grand closing ceremony. The event began with a recitation of verses from the Holy Quran and the playing of the Iranian national anthem, followed by a video showcasing the highlights of the past few days.

Dr. Shirzad, the head of the scientific committee, provided insights into the scientific topics explored during the Olympiad. A video message from the Minister of Education was also broadcast, expressing gratitude to all participants and organizers.

The highlight of the ceremony was the medal ceremony, where talented young physicists from around the world were awarded for their outstanding achievements. Bronze medals were awarded to students from various countries, recognizing their exceptional performance in the rigorous theoretical and experimental challenges.

As the ceremony concluded, a sense of accomplishment and camaraderie filled the air. The 54th IPhO 2024 was a resounding success, inspiring young minds and fostering international collaboration in the field of physics.

A Grand Finale: The Closing Ceremony of a Successful IPhO 2024

The closing ceremony of the 54th International Physics Olympiad (IPhO 2024) continued with a series of awards and performances. Dr. Bahmanabadi, the head of the organizing committee, delivered a heartfelt speech, followed by a captivating live music performance by Ehsan Yasin.

The silver medal ceremony was a moment of pride for the winning countries, including Iran, Kazakhstan, India, Vietnam, Georgia, Romania, Syria, Turkey, Azerbaijan, Bangladesh, Belarus, Bulgaria, Croatia, Cyprus, Indonesia, Mongolia, Russia, Saudi Arabia, Serbia, Macedonia, and South Korea.

The gold medal ceremony was the highlight of the event. China emerged as the top-performing country, securing five gold medals. Russia claimed four gold medals, while Romania, India, and Vietnam earned three and two gold medals, respectively. Iran and Belarus each won one gold medal. Additionally, individual awards were presented to Zhang Xinrui (China) for the absolute winner title, Jin Shuyu and Wang Zehua (China) for the best theoretical performance, and Sun Rongxi (China) for the best female participant.

The closing ceremony concluded with a speech by Dr. Ahmadvand, the head of the executive committee, who expressed gratitude to the dedicated organizers and volunteers who contributed to the success of the IPhO 2024.

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The closing ceremony concluded with a speech by Dr. Ahmadvand, the head of the executive committee, who expressed gratitude to the dedicated organizers and volunteers who contributed to the success of the IPhO 2024.

The Gratitude of the President of the World Physics Olympiad to the Organizers of IPhO2024

The President of the World Physics Olympiad, during his speech at the closing ceremony of this event, thanked and appreciated the hard work and efforts of all the factors of organizing the 54th World Physics Olympiad.

As the 54th International Physics Olympiad here in Isfahan, Iran, draws to a close, we take a moment to reflect on a week filled with academic excellence, cultural experiences, and memorable interactions with participants from 46 different countries.

IPhO 2024 has truly been a remarkable event. Its outstanding experimental and theoretical exams were matched only by the warm and gracious hospitality we received from the organizers and the people of Iran. We not only challenged our knowledge and skills through the Olympiad problems, but also immersed ourselves in a culture that deeply values education and scientific discovery.

Thinking back on our time in Isfahan, I am sure you will all remember the splendor of Naqsh-e-Jahan, the grandeur of the Jame-e-Mosque, the beautiful handicrafts, and the incredible scientific and technological progress showcased during our visit to the Isfahan Science and Technology Town.

I would like to express my heartfelt gratitude to everyone who made IPhO 2024 such a success. First and foremost, I thank the Ministry of Education of the Islamic Republic of Iran; without their generous support, this event would not have been possible. I also extend my sincere thanks to Prof. S.A. Meybodi, President of Isfahan University of Technology, for graciously hosting the event and for his active involvement throughout.

I am grateful to the Chair of the Organizing Committee, Prof. Bahmanabadi, along with Prof. Mehdi Sadat, Prof. Hossein Ahmadvand, and Prof. Babaei, for their exceptional leadership in managing the logistics of IPhO 2024.

A special acknowledgment goes to the academic team responsible for crafting the highest standard exam questions: Prof. Farhad Shahbaz (T1), Prof. Saman Moghimi (T2), Mr. Alireza Noorouzshad (E1), and Mr. Abolfazl Ebrahimi (E2). I also thank Prof. Hamed Bakhshian for overseeing the logistics of the International Board meeting, and especially all the markers and moderators whose meticulous evaluations challenged our student participants.

The Gratitude of the President of the World Physics Olympiad to the Organizers of IPhO 2024

Let’s give a round of applause to our dedicated team of volunteers, the enthusiastic individuals in green T-shirts—our student and team leader guides. Your commitment ensured the smooth running of events and excursions, and your efforts have not gone unnoticed.

I would also like to thank Dr. Masood Nikaeen for organizing our tours of Isfahan's historic sites, and for the knowledgeable guides who shared their wonderful stories and insights with us.

To the IPhO international board members, your diligence in reviewing exam problems, translations, marking, and moderation has been invaluable. I extend my gratitude to all supporters and sponsors of IPhO 2024; your generous contributions have been instrumental to our success.

Finally, to all the student participants from 46 nations: congratulations on your remarkable achievements! Winning a medal or receiving an honorable mention at IPhO is a testament to your hard work, dedication, and profound understanding of physics. And for those who didn't win a medal, remember that participating in this Olympiad is a significant achievement in itself. The path to success is paved with perseverance and continuous effort.

As we close, I hope the friendships you have forged and the experiences you have gained here will remain with you for a lifetime. The bonds formed here transcend borders and create a vibrant global network of future scientists and innovators.

The International Physics Olympiad is more than just a competition; it is a celebration of knowledge, curiosity, and the relentless pursuit of understanding the universe. It exemplifies what we can achieve when we come together to share ideas and inspire one another.

With that, I wish you all a safe journey back home, and I look forward to welcoming many of you at IPhO 2025 in Paris, France.

With this, I declare IPhO 2024 officially closed!

Results

Absolute Winner:

Name	Delegation	Experiment	Theory	Total
ZHANG XINRUI	China	18.58	27.8	46.38

Best mark on Experimental Exam:

Name	Delegation	Experiment	Theory	Total
ZHANG XINRUI	China	18.58	27.8	46.38

Best mark on Theoretical Exam:

Name	Delegation	Experiment	Theory	Total
JIN SHUYU	China	16.35	29.4	45.75
WANG ZEHUA	China	16.12	29.4	45.52

Best Female Contestant:

Name	Delegation	Experiment	Theory	Total
SUN RONGXI	China	16.52	28.1	44.62

Results

Absolute Winner:

Best mark on Experimental Exam:

Zhang Xinrui from **China** won the title of ***Absolut Winner of the IPhO 2024***

Results

Absolute Winner:

Zhang Xinrui from **China** won the title of ***Absolut Winner of the IPhO 2024***

Name: ZHANG XINRUI **Delegation :** China **Experiment:**18.5 **Theory:**27.8 **Total:** 46.3

Best mark on Experimental Exam:

Name	Delegation	Experiment	Theory	Total
ZHANG XINRUI	China	18.58	27.8	46.38

Results

Best Female Contestant:

Sun Rongxi from China won the title of the best female of the Olympiad

Name: SUN RONGXI **Delegation:** China **Experiment:** 16.52 **Theory:** 28.1 **Total:** 44.62

Result:

Absolute Winner :

Name	Delegation	Experiment	Theory	Total
ZHANG XINRUI	China	18.58	27.8	46.38

Best mark on Experimental Exam:

Name	Delegation	Experiment	Theory	Total
ZHANG XINRUI	China	18.58	27.8	46.38

Best Female Contestant:

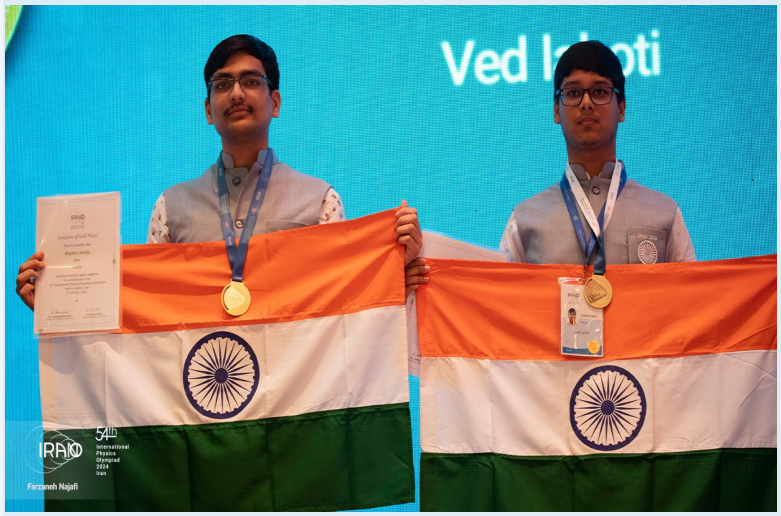
Name	Delegation	Experiment	Theory	Total
SUN RONGXI	China	16.52	28.1	44.62

Gold Medals

18Gold medals were awarded in the 54th International Physics Olympiad

Name	Country	Experiment	Theory	Total
ZHANG XINRUI	China	18.58	27.8	46.38
JIN SHUYU	China	16.35	29.4	45.75
POTAPOV EGOR	Russia	17.85	27.7	45.55
WANG ZEHUA	China	16.12	29.4	45.52
PAN SIYAN	China	17.63	27.8	45.43
SUN RONGXI	China	16.52	28.1	44.62
GAVRILOV DANIIL	Russia	14	27.5	41.5
DRAGOMIR ANDREI-DARIUS	Romania	14.97	25.1	40.07
THAN THE CONG	Vietnam	11.75	27	38.75
GASHPAR ALEKSEI	Russia	13.51	25	38.51
LIKHOKON IVAN	Russia	14.18	24	38.18
MOHAMMAD AMIN HAGH JOO	Islamic Republic of Iran	12.72	24.9	37.62
TRUONG PHI HUNG	Vietnam	14.46	23	37.46
MOMOIU ALEXANDRU	Romania	13.8	21.3	35.1
RHYTHM KEDIA	India	11.2	23.5	34.7
STAN IONUT-GABRIEL	Romania	13.78	20.8	34.58
VED LAHOTI	India	12.25	21.8	34.05
ALINA PALONSKAYA	Belarus	12.42	21.5	33.92

Gold Medals


Ved
IRAN
54th International Physics Olympiad 2024 Iran
Farzaneh Najafi


IslamicRepublic of Iran
Mohamma Amin Hagh Joo
IRAN
54th International Physics Olympiad 2024 Iran
Farzaneh Najafi
2024


People"s Republic of China
Ro Sun
IRAN
54th International Physics Olympiad 2024 Iran
Farzaneh Najafi
2024


Romania
Ionut abriel St
IRAN
54th International Physics Olympiad 2024 Iran
Farzaneh Najafi
2024


Russia
Gavri
IRAN
54th International Physics Olympiad 2024 Iran
Farzaneh Najafi
2024


Vietnam
Hung Truong
IRAN
54th International Physics Olympiad 2024 Iran
Farzaneh Najafi
2024

Silver Medals

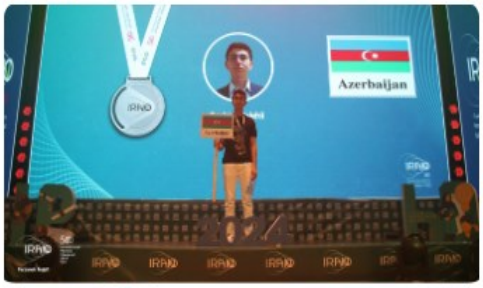
35 silver medals were awarded in the 54th International Physics Olympiad.

Name	Country	Experiment	Theory	Total
BEHRAD MOHAMMADIAN	Islamic Republic of Iran	12.51	21.1	33.61
ANISIMOV ALEKSANDR	Russia	10.39	22.8	33.19
BHAVYA TIWARI	India	9.1	23.5	32.6
MINJAE KIM	South Korea	12.05	18.9	30.95
AKARSH RAJ SAHAY	India	9.58	20.7	30.28
MENDELSOHN MENDEL-EMANUEL	Romania	12	17.8	29.8
SEYEDMOHAMMAD HOSSEINI	Islamic Republic of Iran	11.81	17.6	29.41
ABOLFAZL SHIRI	Islamic Republic of Iran	10.51	18.5	29.01
TUDOSE RARES-FELIX	Romania	11.75	16.5	28.25
KIM ARTUR	Kazakhstan	12.5	15.6	28.1
VAL KARAN	Croatia	8.45	19.6	28.05
NGUYEN NHAT MINH	Vietnam	8.9	18.2	27.1
BISSIMBI DOSZHAN	Kazakhstan	8.8	17	25.8
ARDA ÜNVER	Turkey	6.92	17.7	24.62
LUKA TVALAVADZE	Georgia	8.7	15.8	24.5
SARAH MUSAEI	Islamic Republic of Iran	11.7	11.9	23.6
NURSAGATOV MARGULAN	Kazakhstan	9.8	13.6	23.4
PSHENVAYEV AMIR	Kazakhstan	9.95	12.8	22.75
AZJARGAL GANBOLD	Mongolia	7.71	15	22.71
MOHAMAD EID AL AKTAA	Syria	9.28	13.2	22.48
KUTAY KULBAK	Turkey	9.13	13.3	22.43
MIHAIL KHYRSIN	Belarus	8.38	13.6	21.98
BAHAA ALDEEN MELHEM	Syria	7.27	14.5	21.77
DROBNJAKOVIĆ ANDREJ	Serbia	7.51	14.2	21.71
ARA MAHDESSIAN	Cyprus	8.74	12.3	21.04
BAYAN MOMCHILOV GECHEV	Bulgaria	7.03	14	21.03
JAIVEER SINGH	India	5.65	15	20.65
HA DUYEN PHUC	Vietnam	9.45	11.1	20.55
ALSHAKHS, MAZEN ZAID A	Saudi Arabia	7.39	13.1	20.49
S M ABDUL FATTAH	Bangladesh	6.5	13.3	19.8
NGUYEN THANH DUY	Vietnam	6.35	13.4	19.75
IBRAHIM VALEHLI	Azerbaijan	8.55	11.1	19.65
TORNIKE TSADZIKIDZE	Georgia	6.1	13.4	19.5

Silver Medals

Name	Country	Experiment	Theory	Total
ZAHRAN NIZAR FADHLAN	Indonesia	7.29	12.2	19.49
JAN STOJANOVSKI	Macedonia	7.15	12.3	19.45
ABDUL HADI CHMACHAN	Syria	5.88	13.3	19.18
ANDREI YERSH	Belarus	9.15	10	19.15
VUKAŠIN BABIĆ	Serbia	7.7	11.2	18.9
TIRUMALANAGA SAIVIJAYAANJANEYA TEJAS PENUGONDA	United Arab Emirates	11.34	7.3	18.64
PHATTHARAPHON THANAPHITHAK	Thailand	6.64	12	18.64
ARTEM LEVKO	Belarus	7.42	11	18.42
ALP TERLIKSIZ	Turkey	5.25	12.9	18.15
LUKA DUPLANCIC	Croatia	8.47	9.3	17.77
AL QANBAR, WESAM ABDULJALIL A	Saudi Arabia	7.78	9.9	17.68
ZIAD BADLEH	Syria	5.64	11.9	17.54
THUDPU UDOMKIAT	Thailand	8.4	9	17.4
JAVOHIR SADULLAEV	Uzbekistan	5.8	11.4	17.2
ILYA IVANOV	Belarus	9.15	7.9	17.05
TALHA ASHRAF	Pakistan	6.44	10.3	16.74
ANAS MAYYA	Syria	6.1	10.6	16.7
GEORGI KOSTADINOV KOSTADINOV	Bulgaria	5.24	11.4	16.64
ATARKHUU SOYOLKHUU	Mongolia	1.44	15.1	16.54
ARSEN AGHAYAN	Armenia	5.43	11.1	16.53
HUZAIFA ALTAMASH	Pakistan	6.9	9.6	16.5
BATBAYAR GURBAZAR	Mongolia	6.84	9.6	16.44
ILIA GENCHEV NIKOV	Bulgaria	6.5	9.9	16.4
MUNKH-ORGIL MUNKHTULGA	Mongolia	6.13	10.2	16.33
EMILIJA NIKOLOVSKA	Macedonia	9.07	7.1	16.17
GOLUBOVIĆ FILIP	Serbia	5.41	10.7	16.11
TANUSSON WUNNASOM	Thailand	10.7	5.1	15.8
KALFOV GEO GEOV	Bulgaria	8.25	7.4	15.65
MIODRAG OSTOJIĆ	Bosnia and Herze-govina	5.78	9.7	15.48
AGRAJ CHAPAGAIN	Nepal	7.55	7.6	15.15

Silver Medals



Silver Medals :

Bronze Medals

53 Bronze Medals were Awarded in the 54th International Physics Olympiad

Name	Country	Experiment	Theory	Total
ABDUL HADI CHMACHAN	Syria	5.88	13.3	19.18
ANDREI YERSH	Belarus	9.15	10	19.15
VUKAŠIN BABIĆ	Serbia	7.7	11.2	18.9
TIRUMALANAGA SAIVIJAYAANJANEYA TEJAS PENUGONDA	United Arab Emirates	11.34	7.3	18.64
PHATTHARAPHON THANAPHITHAK	Thailand	6.64	12	18.64
ARTEM LEVKO	Belarus	7.42	11	18.42
ALP TERLIKSIZ	Turkey	5.25	12.9	18.15
LUKA DUPLANCIC	Croatia	8.47	9.3	17.77
AL QANBAR, WESAM ABDULJALIL A	Saudi Arabia	7.78	9.9	17.68
ZIAD BADLEH	Syria	5.64	11.9	17.54
THUDPU UDOMKIAT	Thailand	8.4	9	17.4
JAVOHIR SADULLAEV	Uzbekistan	5.8	11.4	17.2
ILYA IVANOV	Belarus	9.15	7.9	17.05
TALHA ASHRAF	Pakistan	6.44	10.3	16.74
ANAS MAYYA	Syria	6.1	10.6	16.7
GEORGI KOSTADINOV KOSTADINOV	Bulgaria	5.24	11.4	16.64
ATARKHUU SOYOLKHUU	Mongolia	1.44	15.1	16.54
ARSEN AGHAYAN	Armenia	5.43	11.1	16.53
HUZAIFA ALTAMASH	Pakistan	6.9	9.6	16.5
BATBAYAR GURBAZAR	Mongolia	6.84	9.6	16.44
ILIA GENCHEV NIKOV	Bulgaria	6.5	9.9	16.4
MUNKH-ORGIL MUNKHTULGA	Mongolia	6.13	10.2	16.33
EMILIJA NIKOLOVSKA	Macedonia	9.07	7.1	16.17
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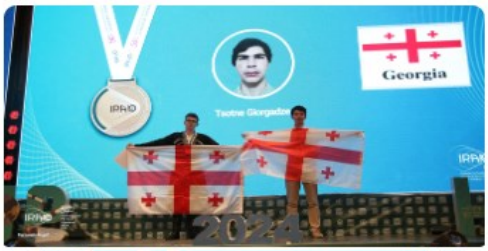
TANUSSON WUNNASOM	Thailand	10.7	5.1	15.8
KALFOV GEO GEOV	Bulgaria	8.25	7.4	15.65
MIODRAG OSTOJIĆ	Bosnia and Herze-govina	5.78	9.7	15.48
AGRAJ CHAPAGAIN	Nepal	7.55	7.6	15.15

Bronze Medals

DAVIT KLDIASHVILI	Georgia	4.6	10.5	15.1
RADOVANOVIĆ MIHAILO	Serbia	6.55	8.1	14.65
JELESIJEVIĆ TADIJA	Serbia	5.1	9.5	14.6
FADHLALLAH, AHMED SAMEER S	Saudi Arabia	4.88	9.7	14.58
GALSTYAN NAREK	Armenia	5.17	8.7	13.87
FRANJO KRESIMIR JALSOVEC	Croatia	5.85	7.4	13.25
MUHAMMAD SALMAN TARAR	Pakistan	5.61	7.5	13.11
GASPARYAN ARTYOM	Armenia	6.07	7	13.07
TSOTNE GIORGADZE	Georgia	3.5	9.4	12.9
SERAZUS SALEKIN SAMIN	Bangladesh	4.6	8.3	12.9
JAVIER GIL GARCÍA	Mexico	7.29	5.6	12.89
KAZYMBEK ILIYAS	Kazakhstan	1.25	11.6	12.85
HU YUNXIN	Bulgaria	4.73	8.1	12.83
MURAD ISMAYILOV	Azerbaijan	3.48	9.35	12.83
CARSON TAI KAR SHING	Malaysia	6.46	6.3	12.76
POPSUK SU-METCHOENGPRACHYA	Thailand	7.35	5.4	12.75
MUHAMED NUMANOVIĆ	Bosnia and Herzegovina	4.75	8	12.75
ICHINBAT ERKHEMBAYAR	Mongolia	5.43	7.3	12.73
ANDREJ STOJANOVSKI	Macedonia	7.51	5.2	12.71
KAITLYN ILIANA TONIMAN	Indonesia	4.71	7.9	12.61
HALIL İBRAHIM YENITÜRK	Turkey	8.99	3.6	12.59
SECRIERU ALEX	Moldova	4.78	7.8	12.58
ALGHAMDI, FARIS AB-DULRAHMAN G	Saudi Arabia	6.36	6.2	12.56
SALIMOV HUSANJON	Tajikistan	5.63	6.9	12.53
BARATALI BEKTUR	Kyrgyzstan	7.51	5	12.51

Bronze Medals



Bronze Medals

Honorable Mentions

Name	Country	Experiment	Theory	Total
GAZAZYAN ARMEN	Armenia	3.74	8.6	12.34
ILDAR KHASHAEV	Uzbekistan	5.25	6.2	11.45
ORIF, AHMED MOHAMMED I	Saudi Arabia	5.74	5.7	11.44
NEDIM BEGOVIĆ	Bosnia and Herze-govina	4.4	6.9	11.3
RAVAN NAJAFLI	Azerbaijan	5.24	5.8	11.04
MOVSISYAN NAREK	Armenia	3.95	7	10.95
TEEJUTA SUKSAENG	Thailand	6.45	4.4	10.85
ABDIEV ASKAR	Kyrgyzstan	5.3	5.3	10.6
JOVAN JANKOVIĆ	Montenegro	6.34	4.2	10.54
ANURAG GUPTA	Nepal	7.08	3.4	10.48
BELINAY SU KILINÇ	Turkey	4.7	5.7	10.4
JUAN ESTEBAN FONSECA MORALES	Colombia	7.55	2.8	10.35
HARITON MARIAN	Moldova	3.52	6.8	10.32
HAIDARI MUHAMMADROBE	Tajikistan	5.87	4.3	10.17
RUSLAN TROCIN	Moldova	1.99	8.1	10.09
GRAUR DARIUS	Moldova	3.7	6.3	10
ISAAC SAID MARTÍNEZ CERÓN	Mexico	3.3	6.7	10
DIEGO MEDINA PELÁEZ	Mexico	7.69	2.3	9.99
MUHAMMAD SAAD BILAL	Pakistan	5.86	3.8	9.66
GOLAM KIBRIA TARAFDER	Bangladesh	5.35	4.2	9.55
CLARISSA AURELIA SAPUTRA	Indonesia	4.54	5	9.54
OZODBEK RAVSHANOV	Uzbekistan	4.75	4.7	9.45
DANIEL MARK	Indonesia	4.31	5.2	9.51
ADIL SATTAROV	Azerbaijan	4.04	5.3	9.34
FRANE ANDELIC	Croatia	4.68	4.6	9.28
MUHAMMAD ADAM ZACHRY BIN NOHD ALI	Malaysia	7.36	1.9	9.26
ARIF ISTIAK TASIN	Bangladesh	3.55	5.7	9.25
SOH TZE JUN	Malaysia	5.96	3.1	9.06
MATEA MITREVSKA	Macedonia	5.93	3.1	9.03

Top 4 Countries in IPhO 2024

Iran and Isfahan University of Technology Host Participants of the International Physics Olympiad

Isfahan, for the **second time**, hosted **198** elite physics students from **46** countries around the world. Countries such as Russia, China, India, South Africa, Cuba, Saudi Arabia, Taiwan, Romania, Turkey, Mexico, The United Arab Emirates, Georgia, Bulgaria, Indonesia, Kyrgyzstan, Croatia, Cyprus, Colombia, Belarus, Kuwait, Vietnam, Qatar, Bosnia and Herzegovina, Bangladesh, Kazakhstan, Kosovo, Moldova, Mongolia, Serbia, Syria, Tajikistan, Thailand, Turkmenistan, and Uzbekistan had participants in this global competition.

The **First** place in the 2024 International Physics Olympiad was secured by the **Chinese team** with five gold medals.
The **second** to fourth places were taken by the **Russian team** (four golds and one silver), the **Romanian team** (three golds and two silvers), and the **Iranian team** (one gold and four silvers), respectively.

The Iranian Team Result in IPhO 2024

Iran's Remarkable Rise in the International Physics Olympiad: 13 Places Up

Students from our national team achieved great success at the 54th International Physics Olympiad, winning 1 gold medal and 4 silver medals.

In this competition, Mohammad Amin Haqjou won a gold medal and Sara Mousavi, Abolfazl Shiri, Behrad Mohammadian, and Seyyed Mohammad Hosseini earned silver medals.

We are thrilled to announce the launch of the IUT International Newsletter, dedicated to fostering global scientific collaborations and promoting international relations. As part of our commitment to a sustainable future as a Green University, this electronic publication aims to keep you informed about our exciting endeavors.

By registering your email, you will receive the latest issues of the Newsletter directly to your inbox. We highly encourage your active engagement by sharing your valuable comments, suggestions, and contributions related to IUT. Your input will help shape future editions of the Newsletter, showcasing the diverse achievements and initiatives of our university.

To explore previous issues and access additional information about the Newsletter, please click **here**. Moreover, we are delighted to share that the Newsletter will also be available through a convenient QR code, ensuring easy access for our readers.

Together, let us embark on this journey of knowledge exchange and collaboration, as we work towards our shared goals. Your constructive participation will play a pivotal role in guiding us towards greater international impact and excellence.

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(Special Issue– IPhO 2024)

2024

The IUT International Newsletter is a periodic e-newsletter exclusively for IUT students and staff.

We appreciate and welcome your constructive comments and valuable suggestions.

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