



SASTRA RAMANUJAN PRIZE - AWARDS

News: The 2024 SASTRA Ramanujan Prize will be awarded to **Alexander Dunn of the Georgia Institute of Technology, U.S.**

This is being given to Mr. Dunn, who has achieved several breakthroughs in the study of modular forms, half-integral weight forms, metaplectic forms and their connections to prime numbers and integer partitions.

About the award

Topic	Details
SASTRA Ramanujan Prize	The SASTRA Ramanujan Prize was established by the Shanmugha Arts, Science, Technology & Research Academy (SASTRA) in Kumbakonam, Tamil Nadu , to recognize outstanding contributions in the field of mathematics.
Inspiration	The prize is named after the famous Indian mathematician Srinivasa Ramanujan, to honor his contributions and encourage young mathematicians to pursue high-level research.
Eligibility	The award is open to mathematicians worldwide under the age of 32 , symbolizing the age at which Ramanujan passed away.
Prize Components	The prize includes a citation and a cash award of USD 10,000, presented during an annual international conference at SASTRA University.
Criteria for Selection	Recipients are chosen based on their significant contributions to mathematics in fields influenced by Ramanujan's work, such as number theory, combinatorics, and analysis.
Notable Recipients	Noteworthy recipients include Manjul Bhargava (Fields Medalist), Akshay Venkatesh, and the 2023 awardee Ruixiang Zhang, recognized for his work in analytic number theory, combinatorics, and harmonic analysis.

DST-ICTP-IMU Ramanujan Prize

The DST-ICTP-IMU Ramanujan Prize for Young Mathematicians from Developing Countries is a **mathematics prize awarded annually by the International Centre for Theoretical Physics in Italy**. The prize is named after the Indian mathematician Srinivasa Ramanujan. It was founded in 2004, and was first awarded in 2005.

The prize is awarded to a researcher from a developing country less than 45 years of age who has conducted outstanding research in a developing country. The prize is supported by the



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Ministry of Science and Technology (India) and Norwegian Academy of Science and Letters through the Abel Fund, with the cooperation of the International Mathematical Union.

The International Centre for Theoretical Physics and the International Mathematical Union have awarded the 2024 Ramanujan Prize for young mathematicians from developing countries to **Ruochuan Liu of Peking University, China**.

It has been awarded for his **fundamental contributions to p-adic Hodge theory**, especially his foundational study of relative p-adic Hodge theory and his remarkable work on rigidity and the Riemann-Hilbert correspondence for p-adic local systems



Srinivasa Ramanujan

Aspect	Details
<i>Birth and Early Life</i>	Born in 1887 in Erode, Tamil Nadu, Ramanujan displayed an extraordinary aptitude for mathematics from an early age, despite limited formal training.
<i>Mathematical Contributions</i>	Ramanujan made significant contributions to fields such as number theory, infinite series, and continued fractions. His work on partition functions, modular forms, and mock theta functions has greatly impacted modern mathematics.
<i>Collaboration with G. H. Hardy</i>	In 1913, Ramanujan began correspondence with the British mathematician G.H. Hardy, who recognized his brilliance and invited him to Cambridge. Their collaboration led to profound discoveries in number theory.
<i>Recognition</i>	Ramanujan was elected a Fellow of the Royal Society in 1918 and became a Fellow of Trinity College, Cambridge.

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Final Years and Legacy

Due to health issues, Ramanujan returned to India in 1919 and passed away in 1920 at the age of 32. His posthumous work, including his "**lost notebook**," has continued to influence modern mathematics.

