



OIST

OKINAWA INSTITUTE OF SCIENCE AND TECHNOLOGY
沖縄科学技術大学院大学

THEORETICAL SCIENCES VISITING PROGRAM

TSVP TALK

PLATON'S SYMMETRY

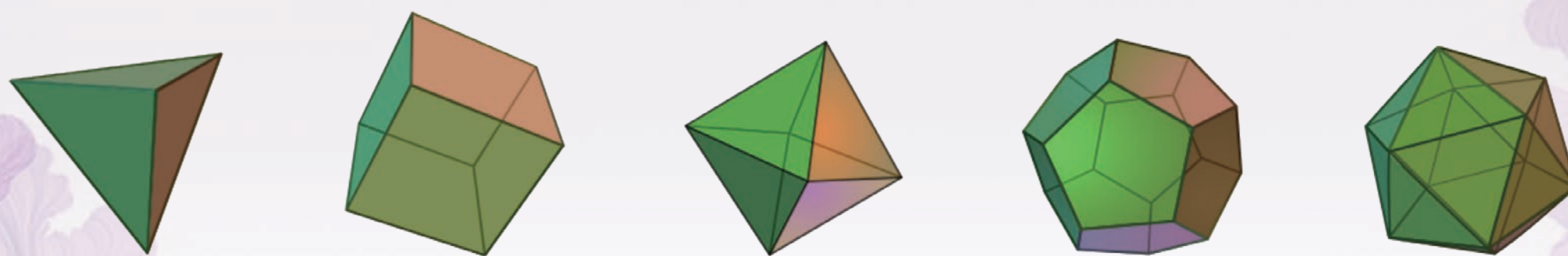


Image credit: Wikipedia - Platonic Solid

2022
THU., OCT. 6TH

16:00 - 17:00

HYBRID L4E48, ZOOM



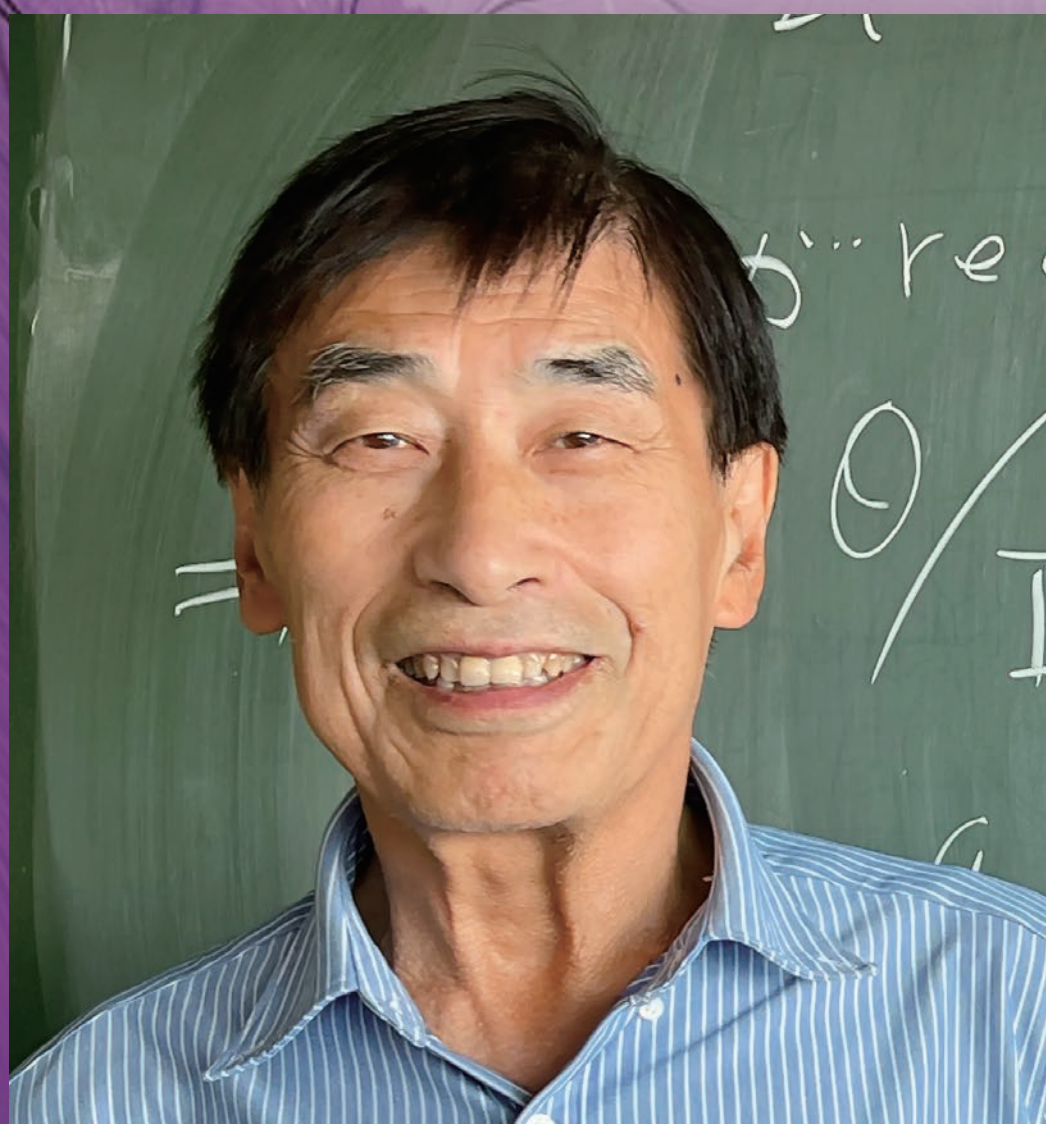
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Humankind has long been attracted by symmetric figures. Already in 4000-years-old prehistoric remains found in Scotland, some "Platonic Solids" appeared (why these objects were made is a mystery). In the present talk, I want to show how Platonic Symmetry appeared in the history of mathematics in several different styles, and show how they appear even in modern mathematics, playing important roles even today.

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KYOJI SAITO

Kyoji Saito is a Senior Scientist at the Institute for Physics and Mathematics of the Universe at the University of Tokyo, and a Professor Emeritus at the Research Institute for Mathematical Sciences of Kyoto University. His research area covers complex algebraic geometry, representation theory and mathematical physics. In particular, the theory of primitive forms, which he has developed, plays the role of mirror symmetry between complex geometry and mathematical physics. Inspired by these facts, he is now developing a new type infinite dimensional Lie theory, including elliptic Lie algebras and their representations.



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