Mathematics People

Prizes of the Mathematical Society of Japan

Several annual prizes are awarded to mathematicians by the Mathematical Society of Japan (MSJ) at the autumn meeting of the Society.

The Autumn Prize of the MSJ is awarded for outstanding contributions to mathematics, in the highest and broadest sense, in the past five years. The Autumn Prize in the year 2001 is awarded to ATSUSHI MORIWAKI of Kyoto University for his distinguished contributions to Arakelov geometry.

The Geometry Prize is awarded to a maximum of two geometers in recognition of major fundamental research in geometry. This prize was established with funds donated to the MSJ. The Geometry Prize in the year 2001 is awarded to REIKO MIYAOKA of Sophia University for her outstanding contributions to the theories of Dupin hypersurfaces and minimal surfaces.

The Takebe Prize for outstanding research was established to encourage young mathematicians. The Takebe Senior Prize is awarded to recipients chosen from nominations by members of the MSJ. The Takebe Junior Prize is awarded to self-nominated recipients. The Takebe Prize in the year 2001 is awarded to the recipients listed below.

Takebe Senior Prize: YUKARI ITO of Tokyo Metropolitan University for the study of crepant resolutions and the McKay correspondence; YOSHIHIDE KAKIZAWA of Hokkaido University for the study of the asymptotic theory of statistics in time series analysis; MASANORI HINO of Kyoto University for the study of stochastic analysis in infinite dimensional spaces; and HIDEO TAKAOKA of Hokkaido University for the study of nonlinear dispersive equations by the high and low frequency method.

Takebe Junior Prize: OSAMU IYAMA of Kyoto University for the study of representation theory of orders; AKIRA USHIJIMA of the Tokyo Institute of Technology for the study of standard division of hyperbolic manifolds; KEN-ICHI KAWARABAYASHI of Keio University for the study of circuits and chromatic numbers in graph theory; and KANETOMO SATO of Nagoya University for the study of cycle maps for varieties over arithmetic fields.

—MSJ announcement

Siemens Westinghouse Competition Winners Announced

Six high school mathematics students were among the winners in the Siemens Westinghouse Science and Technology National Competition. Individual prizes were awarded to the following students. ALEXANDRA OVETSKY (Central High School, Philadelphia, Pennsylvania) won second place overall in the competition for her project "Surreal Dimensions and their Applications". She was awarded a $50,000 scholarship. JACOB LICHT (William H. Hall High School, West Hartford, Connecticut) won fourth place overall with his project "Rainbow Ramsey Theory: Rainbow Arithmetic Progressions and Anti-Ramsey Results". He received a $30,000 scholarship. PETER BEHROOZI (Malcolm Price Laboratory School, Cedar Falls, Iowa) was awarded fifth place and a $20,000 scholarship for his project "A Proof of the Collatz Conjecture for Rational Patterns". Fourth place in the team competition went to REBECCA WILLIAMS (North Lamar High School, Paris, Texas), CYNTHIA CHI (William P. Clements High School, Sugar Land, Texas), and CHARLES HALLFORD (Texas Academy of Mathematics and Science, Denton, Texas) for their joint project "The Generalization of the deBruijn Edge Sums". They will receive scholarships worth $30,000.

The annual competition, administered by the College Board and funded by the Siemens Foundation, recognizes outstanding talent among high school students in science, mathematics, and technology.

—From a College Board announcement