Mathigon

Women of Mathematics

Alexandra Bellow: Konrad Jacobs, CC-BY-SA 2.0 Mary Cartwright: Anitha Maria S, CC-BY-SA 4.0 Fan Chung: Cheryl Graham CC-BY 3.0 Ingrid Daubechies: imago images / Belga Vivienne Malone-Mayes: Unknown Author, CC-BY-SA 2.0 Cathleen Morawetz: New York University Kathleen Ollerenshaw: Billion, CC-BY-SA 3.0 Karen Uhlenbeck: Andrea Kane, Princeton, CC-BY 2.0 Marvna Vazovska: Petra Lein, CC-BY-SA 2.0 Joséphine Guidy Wandja: Maëlle Guidy, CC-BY-SA 2.0 Marjorie Lee Browne, Joan Clarke, Mina Rees, Alicia Boole Stott: Fair Use Nira Bari, Olga Ladyzhenskaya: Unknown Author, CC-BY-SA 4.0



Hypatia taught at the library of Alexandria, and wrote commentaries on many scientific books. She also constructed astrolabes and hydrometers.

c. 360 - 415

1700

Roman Empire

1800

She wrote about topics in

astronomy and trigonometry

promote new careers for

women.

1900

education and helped train

many other teachers.

COBOL which are still being

used today.



USA

Cathleen Morawetz

1923 - 2017

Canada

studied the partial differential equations that describe the motion of fluids. She was the first female applied mathematician in the National Academy of Sciences.

1922 - 2004

Russia

problems. She helped solve Hilbert's 10th problem about Diophantine equations, and



Vivienne Malone-Mayes

1932 - 1995

USA

studied functional analysis, non-linear operators and differential equations. She also developed new methods for teaching mathematics.



Alexandra Bellow

studied ergodic theory, probability, number theory and analysis - especially "lifting theory". She is an Emerius Professor at Northwestern University

USA



Karen Uhlenbeck

is one of the world's leading

experts on *partial differential*

the Abel prize. Her work had

equations, and recipient of

a pivotal impact on topics

like mathematical physics.

born 1949

Fan Chung

studies graph theory, discrete geometry, combinatorics and networks. She worked at Bell Labs and the University of Pennsylvania and has an Erdős number of 1.



born 1954

Ingrid Daubechies

studied different types of

essential part of image

JPEG. She was the first

compression formats like

female president of the IMU.

born 1942

USA

wavelets, which are now an

Belgium

born 1945 Ivorv Coast





born 1984 Ukraine

Maryna Viazovska

solved the sphere-packing problem in 8 and 24 dimensions. She has received numerous awards, including the New Horizons Prize and the Clav Research Award.

Apollo and Space Shuttle

missions.

1933 - 2011

Annie Easley

was a computer scientist and rocket scientist at NASA. She wrote software for the Centaur rocket stage and studied batteries and renewable energy sources.



Joséphine Guidy Wandia

is the first African woman

with a PhD in mathematics.

She is the president of the

International Committee on

Mathematics in Developing

Countries.

Marvam Mirzakhani

is the first and only woman to receive a Fields medal She worked on *dynamica*l systems and geometry, and was fascinated by the beauty of mathematics.

1977 - 2017 Iran

1950