



Amalie Emmy  
Noether

She is surely the best-known female mathematician, having discovered such great theorems as the Brill-Noether theorem, the AF+BG theorem and Max's theorem.



Sophie  
Germain

For a long time, she had to pass herself off as a man, Auguste Le Blanc, and was awarded the Grand Prix for Mathematical Sciences. Some of her work concerned the elasticity of bodies and the problem of vibrating surfaces.



Hypatie

By the age of 13, she had established herself as a formidable intellectual force in Alexandria, developing the ideas of hyperbole, parable and ellipsis.



## The history of the museum

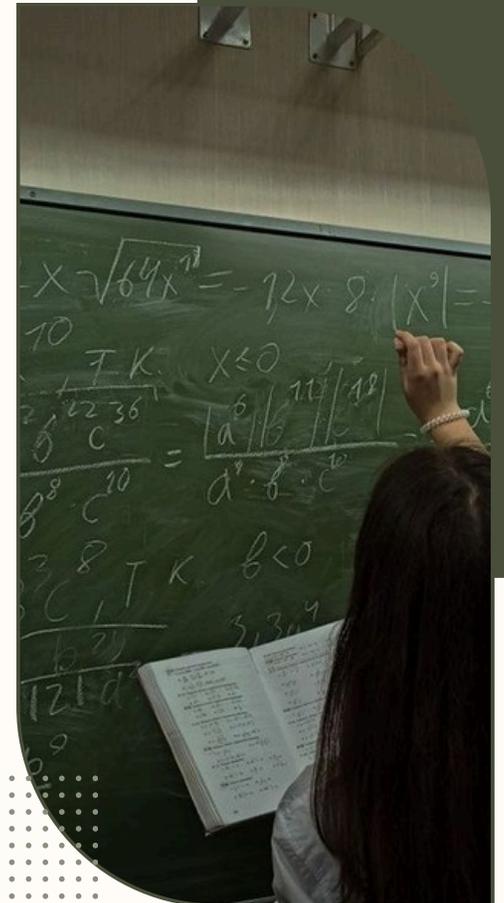
The Maison Poincaré opened its doors on September 30, 2023. It is the first museum in France entirely dedicated to mathematics. Sylvie Benzoni who is a French mathematician, heads the Institut Henri Poincaré.

## The purpose of the mathematics museum

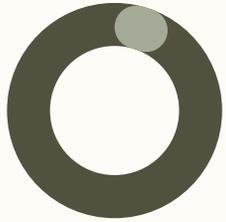
The purpose of the mathématiques museum is to make mathematics more accessible to as many people as possible. In fact, it is accessible to all, including the disabled. The aim of the museum is to encourage visitors to take an interest in mathematics by combining it with other disciplines. The aspect that has been particularly taken into account in the permanent exhibition is parity between men and women.

# Maison Poincaré

women mathematicians have also influenced the world

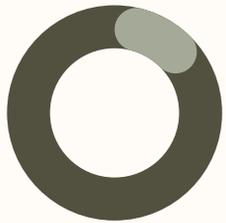


## The percentage of women in mathematics:



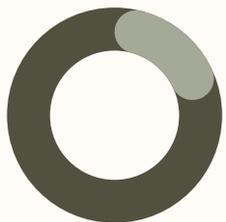
**in the 1950**

They were 10%



**in the 2000**

They were 16,5%



**actually**

They are 22%

## How can these figures be explained ?

From an early age, girls and boys can be exposed to gender stereotypes that suggest men are better at maths and science. These stereotypes can influence girls' self-confidence and their interest in these subjects. In addition, there are fewer visible women in maths and science in general. The lack of female role models can discourage girls from pursuing careers in these fields. School and university environments can also sometimes be perceived as less welcoming to women, especially in male-dominated fields.

## opinions about this museum :

Manon Carvalho said: "I really enjoyed this museum, which is both entertaining and educational. I think this museum perfectly illustrates the importance of women mathematicians in the world. The proof: this museum is run by a talented woman mathematician!"

Bérénice Béreau said: "Honestly, I didn't know what to expect when I visited a mathematics museum, but I was pleasantly surprised! It taught me a lot about mathematics and the role of women in mathematics. It even made me want to become a mathematician, thanks to everything we learned about them!"

## How to contact the Maison Poincaré

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## Mixed reality

The Maison Poincaré is fortunate enough to be equipped with mixed reality technology. Mixed reality is a technology that blends the real world and the virtual world to create new environments and visualizations. In mixed reality, physical and digital objects coexist and interact in real-time. It's a fusion of both augmented reality and virtual reality.

The collective activity at the Maison Poincaré is called Holomat. The main subject of the Holo-Math experiment is Brownian motion.