

# Exploring The Most Beautiful Mathematical Formula

$$e^{i\pi} = -1$$

Shreya Balaji

Berkeley Carroll School

April 29, 2020

# Why is the Equation Beautiful

# History of Mathematicians Involved

A number of mathematicians laid the building blocks for understanding this equation. As you can see, it has taken painstaking work of many mathematicians for us to come to such an elegant equation. Below are some of the mathematicians whose works contributed to this equation :

- ∫ Jacob Bernoulli - Swiss mathematician Invented  $e$
- ∫ Gottfried Wilhelm Leibniz - Along with Newton invented Calculus
- ∫ Issac Newton - Along with Leibniz invented Calculus
- ∫ Carl Friedrich Gauss - One of greatest mathematician of all time - Imaginary numbers
- ∫ Leonhard Euler - Worked on imaginary numbers
- ∫ Augustin-Louis Cauchy - Worked on imaginary numbers
- ∫ Greek, Chinese and Indian Mathematicians - Contributed to  $\pi$
- ∫ James Gregory, Brook Taylor and Colin Maclaurin - Contributed to understanding of expansion series

content...