

The background is a light gray gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance. The text is centered on the page.

GEORG RIEMANN

KALASHNIKOV NIKITA

PRESENTATION PLAN :

- 1) SOME BIOGRAPHY ABOUT GEORG RIEMANN
- 2) HIS CONTRIBUTION TO MATHEMATIC
- 3) ON THE HYPOTHESES UNDERLYING GEOMETRY

BIOGRAPHY

- HE WAS BORN IN SEPTEMBER 17, 1826
IN A VILLAGE NEAR HANOVER.



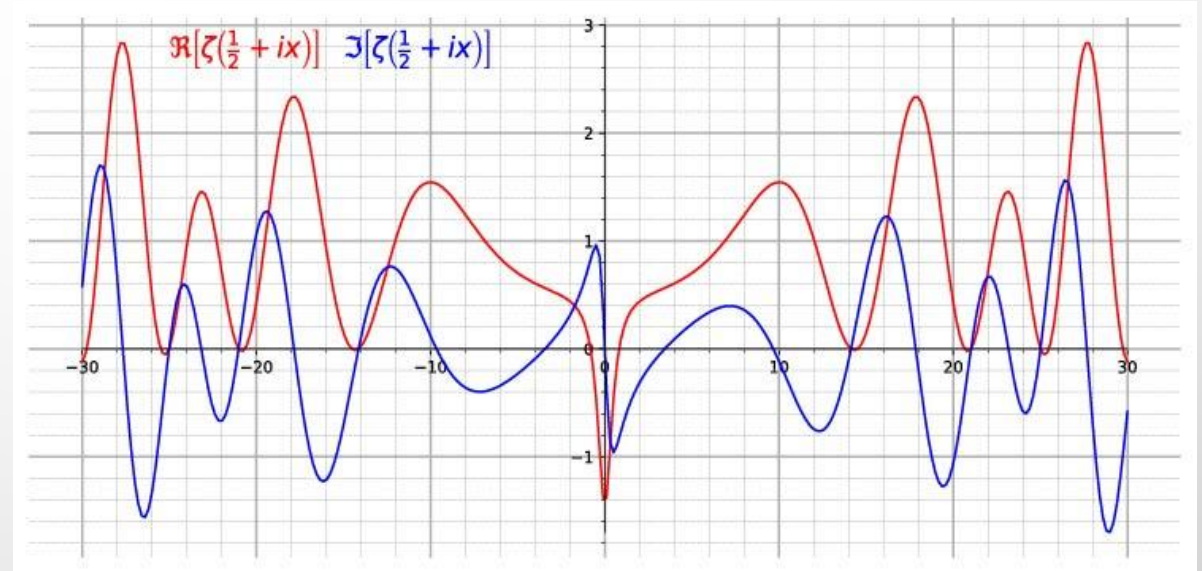
HIS CONTRIBUTION TO MATHEMATIC

- THE FIRST IS ON THE REPRESENTABILITY OF FUNCTIONS BY TRIGONOMETRIC SERIES.
- THE SECOND IS ON THE HYPOTHESES UNDERLYING THE FOUNDATIONS OF GEOMETRY.

$$\sum_{n=1}^{\infty} \frac{1}{n^s} = 1 + \frac{1}{1^s} + \frac{1}{2^s} + \frac{1}{3^s} + \frac{1}{4^s} + \dots$$

ON THE HYPOTHESES UNDERLYING GEOMETRY

- 1) CONCEPT OF AN N-DIMENSIONAL MANIFOLD
- 2) ITS METRIC IN THE FORM OF AN ARBITRARY POSITIVE DEFINITE QUADRATIC FORM.



GEORG RIEMANN

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