



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.



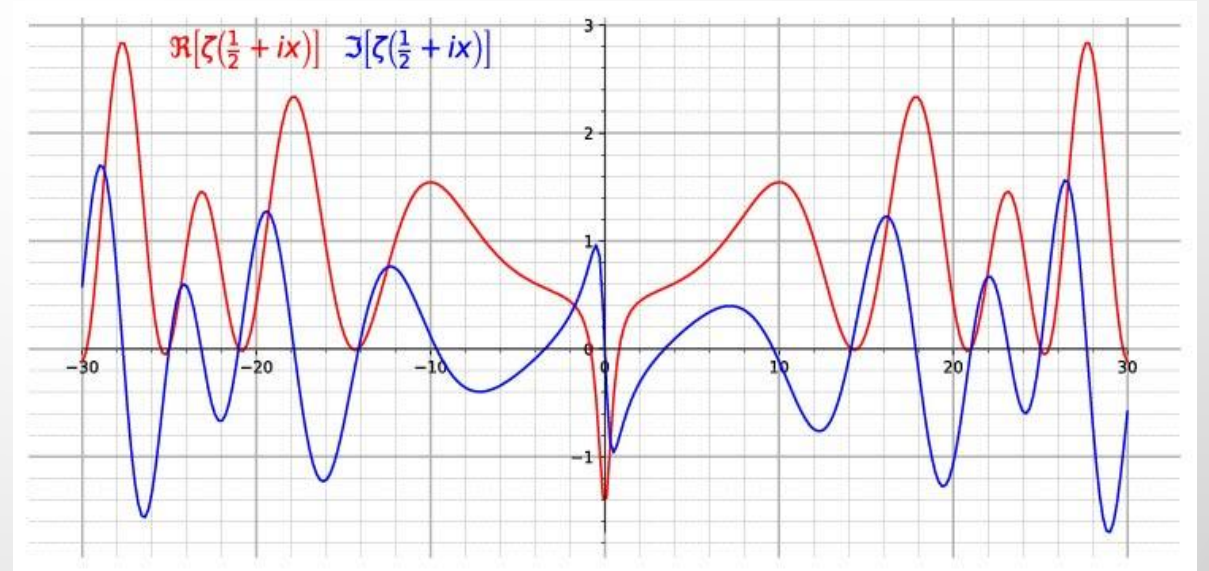
# HIS CONTRIBUTION TO MATHEMATIC

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

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

# 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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