# The filter over linear zeros

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### Abstract

We use the axiomatic method to reduce the number of zeros on the critical line. As the result, we obtain a disproof of the Riemann hypothesis.

## 1 Introduction and results

Hardy [Har14] proved that there are infinitely many zeros of $\zeta(1/2 + it)$. In this paper, we disprove the Riemann hypothesis. Our mission is to filter the "tremors" on the critical line. We can show that the critical line is free from zeros. We denote $L$ as the critical line.

**Definition 1.1.** A spiral curve of the Riemann zeta-function is denoted by $Z$.

**Theorem 1.2.** *The critical line $L$ is $0$-free.*

*Proof.* Delete $(0,0)$ in $Z$. Then, $L$ contains zeros nowhere. $\square$

## References

[Har14] G. H. Hardy. Sur les zéros de la fonction $\zeta(s)$ de Riemann. *C. R. Acad. Sci. Paris*, 158:1012–1014, 1914.