

# The surface without zeros

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## Abstract

In this paper, we diagnose the critical line.

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## 1 Introduction and results

In 1896, Hadamard [Had96] proved the prime number theorem. This paper explains the elimination algorithm on the critical line. We denote  $L$  as the critical line. We denote  $\ell$  as the line  $\sigma = 1$ . And we denote  $R$  as the set of zeros in the critical line.

We have the algorithm:

**Hypothesis 1.** If  $d(Y, \ell) \rightarrow 0$  then both quadrants I and IV are zero-free.

**Hypothesis 2.** If  $|R| \rightarrow 0$  then  $L$  is zero-free.

## References

- [Had96] J. Hadamard. Sur la distribution des zéros de la fonction  $\zeta(s)$  et ses conséquences arithmétiques ('). *Bull. Soc. Math. France*, 24:199–220, 1896.