# The axiomatic pattern of prime numbers 

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#### Abstract

In this paper, we analyze the behavior of prime numbers. MSC: 11A41 Keywords: prime numbers, distribution of primes

\section*{1 Introduction and results}

In 1859, Riemann [Rie59] computed the distribution of primes. Our motivation is to axiomatize the structure of primes. We have the following postulate.


Postulate 1. Let $p$ be a prime number. Then:

1. 2 is prime.
2. $p^{0}=1$.
3. $1 \mid p$.
4. $0 p \in \mathbf{N}$.

## References

[Rie59] B. Riemann. Ueber die Anzahl der Primzahlen unter einer gegebenen Grösse. Monatsber. Akad. Berlin, pages 671-680, 1859.

