

Introduction

The first part of the manuscript deals with the general principles of the theory of numbers, and is divided into three chapters. The first chapter is devoted to the study of the properties of the integers, and the second to the study of the properties of the rational numbers. The third chapter is devoted to the study of the properties of the real numbers.



The second part of the manuscript deals with the theory of congruences, and is divided into two chapters. The first chapter is devoted to the study of the properties of congruences, and the second to the study of the properties of the quadratic residues.

The third part of the manuscript deals with the theory of algebraic numbers, and is divided into three chapters. The first chapter is devoted to the study of the properties of the algebraic integers, and the second to the study of the properties of the algebraic numbers. The third chapter is devoted to the study of the properties of the algebraic functions.

The fourth part of the manuscript deals with the theory of transcendental numbers, and is divided into two chapters. The first chapter is devoted to the study of the properties of the transcendental numbers, and the second to the study of the properties of the transcendental functions.

The fifth part of the manuscript deals with the theory of Diophantine equations, and is divided into three chapters. The first chapter is devoted to the study of the properties of the Diophantine equations, and the second to the study of the properties of the Diophantine functions. The third chapter is devoted to the study of the properties of the Diophantine curves.

The sixth part of the manuscript deals with the theory of elliptic functions, and is divided into two chapters. The first chapter is devoted to the study of the properties of the elliptic functions, and the second to the study of the properties of the elliptic curves. The seventh part of the manuscript deals with the theory of hypergeometric functions, and is divided into two chapters. The first chapter is devoted to the study of the properties of the hypergeometric functions, and the second to the study of the properties of the hypergeometric series.