

Elementary Analytic Number Theory

Masum Billal

September 28, 2021

Contents

1 Introduction	1
Notations	5
List of Acronyms	7
Glossary	9

Chapter 1

Introduction

For an introduction, see Apostol.¹ check Möbius function. Also, see Euler's totient function.

¹Tom M. Apostol: *Introduction to analytic number theory*. In: *Undergraduate Texts in Mathematics* (1976). DOI: 10.1007/978-1-4757-5579-4.

Bibliography

Apostol, Tom M.: *Introduction to analytic number theory*. In: *Undergraduate Texts in Mathematics* (1976). DOI: 10.1007/978-1-4757-5579-4.

Notations

$\varphi(n)$ Euler's totient function

List of Acronyms

$\varphi(n)$ Euler's totient function

Glossary

Möbius function $\mu(n)$ is a very important function in number theory.