

# **Study Notes**

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December 12, 2020



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# List of Abbreviations and Symbols

$\mathbb{R}$  Real number. 13



# Chapter 1

## Preface

### 1.1 Features of this template

- different styles of clickable definitions and theorems
  - nameref: [Gaussian distribution](#)
  - autoref: [Definition A.1](#)
  - cref: [Definition A.1](#)
  - hyperref: [Gaussian](#)
- toc: list of theorems, definitions
- bib: titles of reference is linked to the publisher webpage [[Kit+02](#)] [[Chi09](#)]
- index *index*
- glossary [ℝ](#)

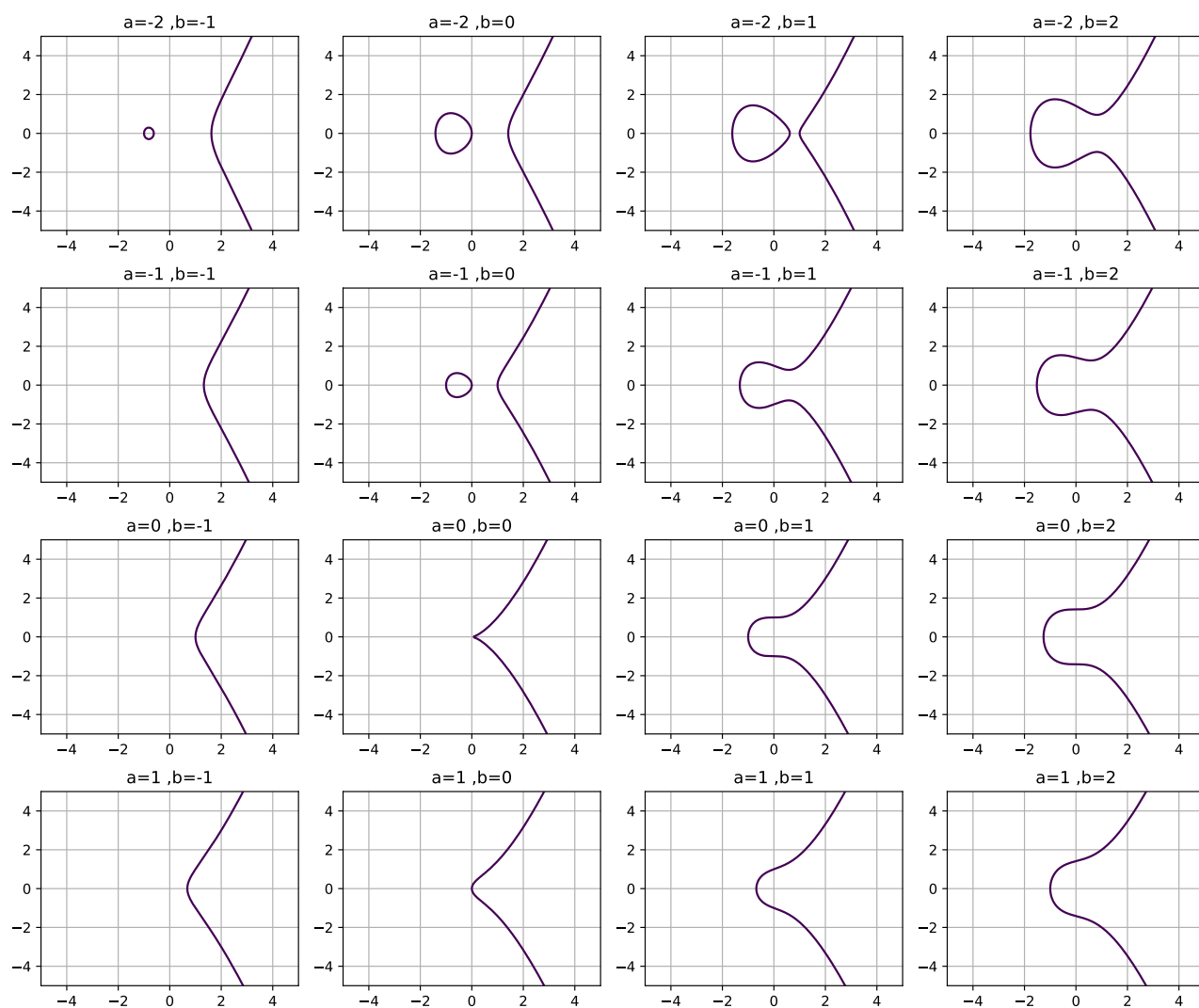


Figure 1.1: Elliptic curves

**Part I**

**Mathematics**





## **Chapter 2**

# **Discrete Math**

### **2.1 Proof**



**Part II**

**Computer Science**



**Part III**

**Physics**



# Appendix A

## Formulas

### A.1 Gaussian distribution

**Definition A.1** (Gaussian distribution). *Gaussian distribution*

**Theorem A.1** (Central limit theorem).





# Bibliography

- [Chi09] Andrew M. Childs. *Universal Computation by Quantum Walk*. Physical Review Letters 102.18 (May 4, 2009), p. 180501. arXiv: [0806.1972](#).
- [Kit+02] Alexei Yu Kitaev et al. *Classical and quantum computation*. 47. American Mathematical Soc., 2002.



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