Lecture Notes for Epistodic History of Mathematics -

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Introduction

1. The Ancient Greeks
2. Zeno's Paradox and the Concept of Limit
3. The Mystical Mathematics of Hypatia
4. The Arabcs and the Development of Algebra
5. Cardano, Abel, Galois, and the Solving of Equations
6. René Descartes and the Idea of Coordinates
7. The Invention of Differential Calculus
8. Complex Numbers and Polynomial
9. Sophie Germain and Fermat's Last Problem
10. Cauchy and the Foundations of Analysis
11. The Prime Numbers
12. Dirichlet and How to Count
13. Riemann and the Geometry of Surfaces
14. Georg Cantor and the Orders of Infinity
15. The Number Systems
16. Henri Poincaré, Child Prodigy
17. Sonya Kovaleskaya and machanics
18. Emmy Noether and Algebra
19. Methods of Proofs
20. Alan Turing and Cryptography

1 Ressources

1.1 Books

- An Epistodic History of Mathematics by Steven Krangtz