

فهرست عناوین درس متروید ۱

Chapter 1. Basic definitions and examples

- 1-Independent Sets and Circuits
- 2-Bases
- 3-Rank
- 4-Closure
- 5-Geometric Representations of Matroids of Small Rank
- 6-Transversal Matroids
- 7-The Lattice of Flats
- 8-The Greedy Algorithm

Chapter 2.Duality

- 1-The Definition and Basic Properties
- 2-Duals of Representable Matroids
- 3- Duals of Graphic Matroids
- 4- Duals of Transversal Matroids

Chapter 3.Minors

- 1-Contraction
- 2-Minors of Certain Classes of Matroids
- 3-Projection , Flats and the Scum Theorem

Chapter 4.Connectivity

- 1- Connectivity for Graphs and Matroids
- 2-Properties of Matroid Connectivity
- 3-More Properties of Connectivity

Chapter 5.Graphic Matroids

- 1-Representability
- 2-Duality in Graphic Matroids
- 3-Whitney's 2-Isomorphism Theorem
- 4-Series-Parallel Networks