Math 154 Textbook Errata

Last updated: April 11, 2022

In multiple chapters/not in a chapter

Page numbering in Index: the page numbering in the index is offset by two. For example, Kneser Graph is listed in the index as appearing on page 21, but Kneser Graphs appear on page 23 in the text.

Chapter 1

Introduction to Graph Theory

(page 21) Question 1.1. Point of possible confusion: "components" in part (d). Components are defined in the following chapter (in Section 2.2).

(page 23) Question 1.9. Typo: "subsets of an n-element sets". Should be "subsets of an n element set".

Chapter 2

Eulerian and Hamiltonian graphs

(page 27) Proof of Theorem 2.3.1 "let $i = \min\{j > 1 : v_i = v_1\}$". Should be "let $i = \min\{j > 1 : v_j = v_1\}$".

Chapter 3

Bridges, Trees and Algorithms

Chapter 4

Structure of connected graphs

Chapter 5

Matchings and Factors

Chapter 6

Vertex and Edge-Coloring

Chapter 7

Planar graphs

Chapter 8

The Max-Flow Min-Cut Theorem

Chapter 9

Introduction to Extremal Graph Theory*

Appendix A

Appendix*