

Errata for **A Course in Modern Geometries, 2nd ed.**

These corrections were made in the 2005 Corrected 2nd printing.

Page: Change:

- 64 $\simeq \rightarrow =$ so that it reads “ $LM = MN$ ” (5th line from bottom of proof of Case 2)
- 68 In first line, delete “s” on figures so that it reads “A second figure of importance”
- 75 In second line of Proof of Theorem 47h: add a “t” so that it reads “Let G and H”
- 100 remian \rightarrow remain (1st line in Def. 3.1)
- 100 tranformation \rightarrow transformation (5th line, 2nd paragraph after Def.)
- 101 geomtric \rightarrow geometric (11th line in quote)
- 110 simultaneoulsy \rightarrow simultaneously (3rd line in problem 7)
- 115 symmetry \rightarrow symmetry (1st line in problem 22)
- 117 In the second line of Definition 3.9, delete “(Fig. 3.6)”
- 120 In 9A: Change “Exercise” to “Activity”.
- 129 tranformation \rightarrow transformation (1st line in Def. 3.15)
- 131 In first line of Definition 3.6, delete the word ”of” so that it reads “A nonempty set G”
- 135 that \rightarrow the (In Exercise 3(c) so that it reads “Find the matrix of”
- 138 indrect \rightarrow indirect (2nd line in Corollary)
- 150 matric \rightarrow matrix (last line before matrix)
- 153 Theroem \rightarrow Theorem (1st line in problem 14)
- 158 Indent second line in Theorem 3.28, Case A, so that “common” is indented like “Case A.”
- 159 Indent third line in Theorem 3.28, part II, so that “perpendicular” is indented like “Then”
- 165 Problem 15: Insert “4” in the parenthetical sentence, so it reads “This is part of case 4 in the”
- 186 Theorem 3.39: vention \rightarrow vector
- 189 betweeness \rightarrow betweenness (problem 1)
- 189 Is \rightarrow If (First word after “Prove” in exercise 2).
- 189 coordiantes \rightarrow coordinates (1st line in problem 7)
- 191 affinities \rightarrow affinities (1st line after end of proof)
- 196 nondengenerate \rightarrow nondegenerate (2nd line after matrix equation)
- 196 Futhermore \rightarrow Furthermore (2nd line in Theorem 3.52)
- 207 standrad \rightarrow standard (3rd line from bottom of page)
- 208 authoratative \rightarrow authoritative (2nd line in Grunbaum listing)
- 210 desribing \rightarrow describing (2nd line in Watson listing)
- 210 kaleidoscopes \rightarrow kaleidoscopes (2nd line in Dihedral K. listing)

- 211 Fantiastic → Fantastic (2nd work in video listing)
- 230 perpectivities → perspectivities (last line before Fig 4.15)
- 311 subgeometric → subgeometries (3rd line on page)
- 325 In the Caption for Figure 5.2, change the expression " $c = 0.4$ " to " $c = 4$ "
- 343 Curve → snowflake (Exercise 11, first line)
- 343 Change second part of first sentence in Exercise 11 to read "perimeter of a Koch snowflake constructed from segments one unit long." I.e., change "curve" to "snowflake", delete "a" and add final "s" to "segment."
- 344 2nd and 3rd line of 11d: change "length" to "perimeter" and "curve" to "snowflake." It should then read "for the perimeter of the Koch snowflake?"
- 358 Exercise 27: Change last word from "subsquares" to "subcubes."
- 369 In 2nd line of Theorem 5.2: change "any" to "the" so it reads "Then the d-orbit.."
- 390 figues → figures (first line in definition 22)
- 398 correponding → corresponding (next to last line in III.5)
- 398 congruene → congruence next to last line in V.2)
- 400 continously → continuously (last line in Post. III)
- 417 becoome → become (2nd line from top of page)
- 419 theroughout → throughout (1st line in Hoffer listing)
- 420 Amercian → American (2nd line in Lam listing)
- 427 In 2nd column, 3rd line, delete "189" and add "130, 190"
- 430 In 2nd column, 8th line, insert "51" so the listing is "39, 51, 398"