COMPLEX ANALYSIS
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CHAPTER I

p.9, l.-7: Change " $e^{i\phi/n}$ " to " $e^{i\phi}$ "

p.9, Ex.1, l.2: Change "cartesian" to "Cartesian" (upper case "C")

p.12, l.-6 and l.-5: Change "lattitude" to "latitude" (spelling, twice)

p.13, Ex.1, l.3: Change "lattitude" to "latitude" (spelling)

CHAPTER II

p.40, Ex.10: Insert "Each function is defined to have value 0 at $z = 0$."

p.41, Ex.19, l.-1: Change " P " to " p " (lower case)

p.59, l.14: Change " z_0 " to " $z_0 = \gamma_0(0) = \gamma_1(0)$ "

p.59, l.16: Change " z_0 " to " 0 " (four times)

CHAPTER III

p.73, l.3: Change " $\int_{(1,0)}^{(0,0)}$ " to " $\int_{(0,1)}^{(0,0)}$ "

p.83, l.16: Change " (2.1) " to " (2.2) "

p.94, l.-14: Change " $1/\bar{z} = z/|z|^2$ " to " $C/\bar{z} = Cz/|z|^2$ "

p.95, l.-10: Change the exponent " $-\pi/\alpha$ " to " $-\alpha/\pi$ "

p.99, l.1: Change " (2π) " to " $(2/\pi)$ "

CHAPTER IV

p.105, l.-3: Change " $\sqrt{2t}$ " to " $\sqrt{2}\,t$ "

p.107, l.-4: Change " from 1 to i " to " from 0 to $1 + i$ "

p.110, l.-6: Change " III.1.1 " to " III.1 "

p.111, Ex.1, l.3: Change " $\infty < t < \infty$ " to " $-\infty < t < \infty$ "

p.118, l.13: Change " one " to " $m!$ "

CHAPTER V

p.137, l.10: Change " Exercises 4 and 5 " to " Exercises 11 and 12 "

p.139, l.-1: Change " $-$ " to " $+$ "

p.143, Ex.4, l.4: Change " open set " to " domain "

p.152, l.11: Change " a_k " to " b_k "

p.152, l.19: In the displayed formula, change the second " a_j " to " b_j "

p.152, l.-8: Change " VI.2.6 " to " VI.2.9 "

p.157, Ex.1(i): Change " $\dfrac{\operatorname{Log} z}{z}$ " to " $\dfrac{\operatorname{Log} z}{z-1}$ "

p.159, l.-2: Change " $a_n(s) = f_t^{(m)}(\gamma(s))/m!$ for s near t " to " $a_n(t) = f_t^{(n)}(\gamma(t))/n!$ "

p.163, Ex.5, l.4: Change " open set " to " domain "

CHAPTER VI

p.180, l.13: Change " of $q(z)$ " to " of $p(z)$ "

p.180, l.14: Change " of $p(z)$ " to " of $q(z)$ "

p.180, l.-4: Change " $c_1 z^{n_1} q(z)$ " to " $c_1 z^{n_1}$ "

p.184, l.8: Change " ω " to " ω_1 "

p.187, l.6: Change " $f(re^{i\theta})$ " to " $f(e^{i\theta})$ "

CHAPTER VII

p.200, figure caption: Change " senicircular " to " semicircular "

p.217, l.12: Change " $z = 1$ " to " of $z = 0$ "

p.221, dogbone figure: Change " Γ_ε " to " γ_ε "

CHAPTER VIII

p.228, figure: Change " 8 " to " 32 " (redraw figure)

p.232, l.3: Change " Exercise 2 " to " Exercise 1 "

p.257, l.13: Change " Exercise 7 " to " Exercise 8 "

CHAPTER XI

p.309, l.14: Change " $\overline{G(z_0)z}$ " to " $\overline{G(z_0)}G(z)$ "

CHAPTER XII

p.330, Ex.2, l.2: Change " $P(z) = z^2 + 2$ " to " $P(z) = z^2 + 1$ "

CHAPTER XIV

p.363, l.3: Change " $\left(\dfrac{n}{n-1}\right)^z$ " to " $\dfrac{n^z}{(n-1)^{z+1}}$ "

CHAPTER XV

p.414, l.-8: Insert " on ∂D_n " before " for n large "

HINTS AND SOLUTIONS FOR SELECTED EXERCISES

p.447, I.2, Ex.1(e): Change to " $-2, 2e^{\pm\pi i/3} = 1 \pm i\sqrt{3}$ " (multiply given answer by -1)

p.449, II.1, Ex.10: Interchange the solutions to 10(c) and 10(d)

p.451, II.7, Ex.9, l.-2: Change " x_2 " to " x_3 "

p.454, V.3, Ex.5(b): Delete " $-z+$ "

p.455, V.6, Ex.1: Change " $(1/12)z^6$ " to " $(61/720)z^6$ "

p.455, V.7, Ex.1(d): Change " $n\pi$ " to " $2n\pi$ "

p.456, VI.2, Ex.3(c): Change to " $a_1 = 1 - 8/\pi^2$ " (change plus sign to minus sign)

p.457, VI.4, Ex.2(b): Change the two minus signs in the linear combination to plus signs

p.457, VI.6, Ex.2: Change " $k \geq 1$ " to " $k \neq 0$ " and delete " $c_k = -i(-1)^k/k$ for $k \leq -1$, "

p.459, VIII.1, Ex.5, l.1: Change " $\alpha < 1$ and $\alpha > 3$ " to " $1 < \alpha < 3$ ", and change " $1 \leq \alpha \leq 3$ " to " $\alpha \leq 1$ and $\alpha \geq 3$ ".

p.462, IX.2, Ex.12(c): Change "two" to "four", and change " $f(z) = 2/z$ " to " $f(z) = 2/z$, $f(z) = (2-z)/(1+z)$ and $f(z) = 2(z+1)/(z-2)$"

Assorted Comments

p.71, l.-9 to -7: Technically the sum appearing in line -9 is not a Riemann sum, because functions are evaluated at two different points in each interval. However, the sum does approximate the integral.