

**Misprints for the third edition of  
“An Introduction to Analysis”**

BY W.R. WADE

- (1) p. 29, line 11: Replace “ $g(k_3) \neq g(k_1)$  and  $g(k_3) \neq g(k_2)$ ” by “ $g(k_3) \neq g(k_2)$  and  $g(k_3) \neq g(k_1)$ ”
- (2) p. 30, line –12: Replace  $1 + 2 + \dots + n$  by  $1 + 2 + \dots + (n - 1)$
- (3) p. 46, line 13: Replace “Bounded Convergence” by “Monotone Convergence”
- (4) p. 46, line 18: Replace  $(a^{1/n})^2$  by  $(a^{1/n})^{1/2}$
- (5) p. 68, lines 12 and 13: Replace  $3/M$  and  $M/3$  by  $2/M$  and  $M/2$
- (6) p. 71, line –2: Replace “such that” with “such as”
- (7) p. 75, line 1: Delete “open”  
line 3: Replace “ $|x - x_0| < \delta$ ” by “ $x \in I$  and  $|x - x_0| < \delta$ ”  
line –5: Delete “Since... Thus  $x_0 \in (a, b)$ .”  
line –4: Replace “It remains to prove that  $f(x_0) = y_0$ ” by “It remains to prove that  $f(x_0) = y_0$  and  $x_0 \in (a, b)$ ”
- (8) p. 76, line 1: Replace “Then  $y_0 - f(x)$ ” by “Then  $x_0 \neq b$  and  $y_0 - f(x)$ ”  
line 5: Add “Therefore,  $f(x_0) = y_0$  and  $x_0 \neq a$ .”
- (9) p. 77, line 2: Replace “Figure 3.2 on page 62” by “Figure 3.1 on page 61”
- (10) p. 96, lines 9 and 12: Replace “an” by “a”
- (11) p. 100, line 7: Replace “ $L$  exists” by “ $L > 0$  exists”
- (12) p. 100, line –5: Replace “Prove that each” by “Prove each”
- (13) p. 102, lines –11 and –15: Replace “an” by “a”
- (14) p. 119, line –5: Replace “ $< |\alpha|$ ” with “ $\leq |\alpha|$ ”
- (15) p. 129, line 10: Replace “ $[a, b]$  does not contain 0” by “ $[a, b]$  is a subset of  $(0, \infty)$ ”
- (16) p. 131, line 3: Replace “ $f([a, b])$ ” by “ $\varphi([a, b])$ ”
- (17) p. 128, line –2: Replace  $\int_{-1}^1$  by  $\int_{-1}^x$
- (18) p. 139, line –11: Replace “ $|f|$  is improperly integrable on  $(a, b)$ ” by “ $f$  is locally integrable and  $|f|$  is improperly integrable on  $(a, b)$ ”
- (19) p. 167, line 3: Replace “choose  $s > a > x$ ” by “choose an adherent point  $a$  such that  $s > a > x$ ”
- (20) p. 194, line –1: Replace “no point” by “at only one point”
- (21) p. 202, line –2: Replace “ $a \leq t$ ” by “ $a < t$ ”
- (22) p. 211, line –6: Replace “ $n = 2k - 1$ ” by “ $n = 2k + 1$ ”
- (23) p. 216, line 3: Replace “ $F(x)$ ” by “ $F(\alpha)$ ”
- (24) p. 221, line –3: missing ■
- (25) p. 235, Figure 8.5: Replace  $I_b(a)$  by  $I_b(\mathbf{a})$
- (26) p. 263, line 6: Replace  $x_k \in E$  by  $x_k \in C$
- (27) p. 256, line 7: Replace “sequence points” by “sequence of points”
- (28) p. 297, line 14: Replace “is” to “be”
- (29) p. 324, line –5 and p. 325, lines 7 and –3: Replace “show that that” by “shows that”

- (30) p. 473, line -17: Replace “Lett” by “Let”
- (31) p. 599, line 14: Replace “Example 6.32” by “Example 6.34”
- (32) p. 600, line 4: Replace “ $x - 2y - z = 4$ ” by “ $x - 2y - z = -4$ ”
- (33) p. 616, line 4: Replace “259, 309” by “261, 309”
- (34) p. 619, line 20: Replace 271(4) by 270(4)