

# Microelectronic Circuit Design

## Sixth Edition Eratta

### Chapter 2

Page 60 Third Exercise:  $32.0 \text{ mA/cm}^2 \rightarrow 320 \text{ A/cm}^2$

### Chapter 3

Page 78 Example 3.2:  $N_D = 10^{20}/\text{cm}^3$

Page 79 Exercise:  $178 \text{ kV/cm}$

Page 92 Exercise:  $90.1 \text{ nf/cm}^2$

### Chapter 4

Page 168 Exercise:  $0.933 \text{ V} \rightarrow 0.733 \text{ V}$

Page 194 Exercise: Use  $BF = 75$

### Chapter 5

Page 251 583  $\rightarrow$  5830

Page 258 Ex-2  $0.251 \text{ nA}$ ,  $2.1$

Ex-3  $18.4$

Ex-4  $92.5 \text{ mV}$ ,  $45.6 \text{ uA}$ ,  $79.1 \text{ mV}$ ,  $0.513 \text{ uA}$

Page 261 Last answer  $1.12 \times 10^9$

Page 274 Exercise should refer to Fig. 5.46.

Page 279 Use equation set on page 229

### Chapter 7

Page 356 Exercise  $10^4 \rightarrow 10^{-4}$

Page 387 “weak inversion” should be “weak inversion slope”

### Chapter 9

Page 553 The problem should refer to Fig. 9.4.

Page 599 The problem should refer to Fig. 9.46.

Page 600  $6.27 \text{ MHz} \rightarrow 6.37 \text{ MHz}$

### Chapter 10

Page 662 Exercise  $-20$ ,  $1.5 \text{ k}\Omega$ ,  $-3.00 \text{ V}$ ,  $-100 \text{ }\mu\text{A}$ ;  $+21$ , infinity,  $+3.15 \text{ V}$ ,  $100 \text{ }\mu\text{A}$

### Chapter 12

Page 802  $5.62 \rightarrow 5.65$

Page 816 (b)  $V_O = 0.21328125 \text{ V}$

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## Sixth Edition Errata

### Chapter 13

Page 870 17.4 fA → 0.173 fA

Page 872  $A_{dc}$ : 0.364 → 0.0818

### Chapter 14

Page 967 96.6 M $\Omega$  → 97.5 M $\Omega$

Page 974 0.009 → 0.04

## Supplement Chapters S6-S9

### Chapter S6

Page S6-25 Second Exercise: 1.43 V → 3.61 V

Page S6-31 Exercise: mode → node

Page S6-59 Exercise: 50.5 fs → 505 fs or 0.505 ps

Page S6-61 Exercise: 3.13 mW → 2.65 mW (2.42 mW from the graph)

Page S8-13 Exercise should refer to Eqns. S7-15 and S7-19 and 1.3 ns → 0.87ns