

Microsystem Design

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Errata

The following errors occur in the Third Printing

This list compiled on March 9, 2002

- Page 36** In Table 3.3, the value of A_{DG} at 920 °C should be 0.5 μm instead of 0.05 μm .
- Page 40** In the first line after Eq. 3.5, the quantity N_p should be $N_{I,p}$.
- Page 159** In the first equation of Example 7.1, the exponent of the second term inside parentheses should be $-j\omega_o t$ instead of $-j\omega t$.
- Page 168** In the second paragraph of text, the word “undamped” should be replaced with “damped”. There are two such occurrences in the paragraph.
- Page 179** A comma is missing after the author name Nayfeh, under Related Reading.
- Page 180** Problem 7.7 lacks a mass. Assume that the armature is made of NiFe alloy with a density of 8000 kg/m³ and has dimensions to exactly fill the gap.
- Page 185** In the first paragraph, 69,000 should be replaced by 6,900.
- Page 195** The biaxial modulus expression in parentheses in Eq. 8.38 should have a subscript f , reflecting the fact that it is the biaxial modulus of the film that is indicated.
- Page 205** The angle indicated as θ in Fig. 9.3 should be the complement of what is shown, such that F_N approaches F as θ goes to zero, consistent with Eqs. 9.12 and 9.13.
- Page 226** Equations 9.93 and 9.94 should both have a factor of W on the right-hand side.

- Page 226** The H outside the parentheses in the denominator of Eq. 9.97 should be removed.
- Page 233** In Eq. 9.133, the argument of the \cos function should be $k_n L/2$.
- Page 234** In Eq. 9.140, the term $-(-1)^n$ should be removed.
- Page 257** In Eq. 10.81, the last term should be $-z(d^2\hat{w}/dx^2)$.
- Page 258** In Eq. 10.82, the last term should be $-z(d^2\hat{w}/dy^2)$.
- Page 608** In the bottom line of text, just above Fig. 22.5, the word “they” should be struck out.

This list compiled on May 26, 2001

- Page 14** The US Navy changed the web site for the Walker and Nagel report on ”Optics and MEMS”. The new website is: <http://mstd.nrl.navy.mil/6330/6336/moemsdownload.html> This web site also appears under “Related Reading” on page 559 and in Reference 114 on page 673. (This is why you should be cautious about publishing web sites in books.)