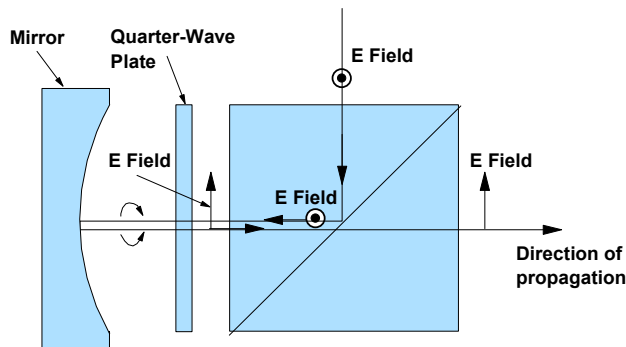


**Errata for PM329 *Optical Lithography: Here is Why, Second Edition*  
by Burn J. Lin (first printing)**

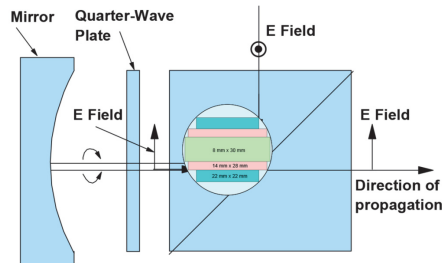
**Page 69** Eq. (4.19)  $e^{-2kz \sin^2 \frac{\theta}{2}}$  should be  $e^{-i2kz \sin^2 \frac{\theta}{2}}$

**Page 88** Line 1 “When  $p$  exceeds  $\lambda$ ” should be “When  $p$  is smaller than  $\lambda$ .”

**Page 208** Fig. 6.32



The figure above is correct. The figure below is wrong.



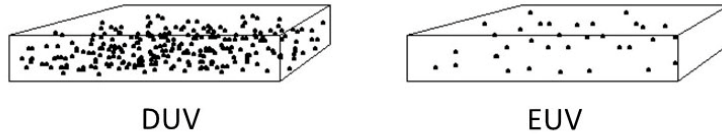
**Page 317** Caption of Fig. 7.64 should read:  $\theta = -\theta = \theta_{\Lambda}$ .

**Page 327** Caption of Fig. 7.73(c) should read: “...beams 2 and 4 off axis with ...”

**Page 426** Figure 8.20 The label inside the plot (1.32:1.75) should read 1.46:1.75.

**Page 515** Figure 9.20 The right-side label  $\sin^{-1}[\sin 6^\circ + 13.5/160/2]$  should be changed to  $6^\circ + \sin^{-1}(\lambda/2P/4)$ .

**Page 526** Figure 9.31 should be corrected to the following:



$$\frac{\text{No. of 193nm photons per volume}}{\text{No. of 13.5nm photons per volume}} = \frac{91.8 \text{ eV}}{6.4 \text{ eV}} = 14.3$$

$$\frac{\text{Variability of EUV photons}}{\text{Variability of ArF photons}} = \sqrt{\frac{91.8 \text{ eV}}{6.4 \text{ eV}}} = 3.8$$