Errata - Fundamental Principles of Optical Lithography
First Printing

If you find any errors in the book, please let me know! email: chris@lithoguru.com

1. p48, bottom of first paragraph, the reference “see section 2.1.3” should read “see section 2.1.4”.

2. p238, last sentence of the first paragraph should be deleted: “In general, the Poisson distribution is a good approximation to the binomial distribution whenever $TL > 1$ (that is, you expect to see more than one photon in the allotted time).”

3. p239, first paragraph of section 6.4.2, the last sentence “And, for any reasonably large volume ($CV > 1$), this binomial distribution will also be well approximated by a Poisson distribution.” should be changed to “And, as before, this binomial distribution will also become a Poisson distribution by letting dV go to zero.”

4. p246, the first part of equation (6.72) is incorrect. It should be:

$$\sigma_{h^*} = \sqrt{\frac{\langle h^* \rangle}{\langle n_{0-PAG} \rangle}}$$

5. p253, in the paragraph following equation (6.114), the text that reads “$\sigma_D/9 = 5$” should read “$\sigma_D/a = 5$”.

6. p305, second line of section 8.2.3, the word “methodology” should read “method”.

7. p357, line 4, the statement “k less than about 0.8” should read “k_1 less than about 0.8”.

8. Chapter 10, homework problem 10.1 – the student must assume a wavelength in order to generate the plot. Please assume that $\lambda = 193$ nm.

9. Chapter 10, homework problem 10.11. Add to the end of the problem the question: What is the result for the case of equal lines and spaces?

Additionally, my brief bio on the back cover of the book mistakenly lists my affiliation as KLA-Tencor. I left KLA-Tencor in November, 2005 and now exist as an independent "Gentleman Scientist".