

Errata for *Fundamentals of Dispersive Optical Spectroscopy Systems*,
by Wilfried Neumann

First printing

p. xiv, Acknowledgments	Dr. Alexander Scheeline's name is misspelled.
p. 21, Equation (2.8)	The equation should read: $m \times \lambda = k \times 2 \sin \alpha \times \cos \epsilon$
p. 25, Section 2.4.1, fourth paragraph:	"a difference of 500 nm" should say "a difference of 4.7 nm to 500 nm"
p. 29, Section 2.6.2.1, second paragraph:	" $(f/4^2)/(f/8^2)$ " should be " $(f/4)^2/(f/8)^2$ "
p. 30	The reference to Section 2.7.5 should refer to Section 2.6.2.3
p. 32, first paragraph	The description of Fig. 2.9 should refer to the colors: "yellow dart," "black frame," "purple circle," and "outer circle, marked red"
p. 44, last paragraph	The word "smaller" should say "wider"
p. 45, first line	The word "smaller" should say "wider"
p. 45, Section 2.6.5.4, second paragraph:	Line should begin as follows: "One more example: at a slitwidth of 10 μm and a bandwidth of 20 pm, one step of 20 pm leads into the saddle..."
p. 47, second paragraph:	"grey rectangles" should say "colored rectangles"
p. 47, Section 2.6.5.4.1:	The reference to Section 2.6.6.2 should refer to Section 2.6.5.2
p. 53, first paragraph:	The reference to Section 2.6.7.5.1 should refer to Section 2.6.6.5.2
p. 55, second paragraph:	The reference to Section 4.17 should refer to Section 4.1.6
p. 56, Section 2.6.6.6	The reference to Section 4.1.7.2 should refer to Section 4.1.6.2
p. 57, first line	The sentence should begin, "The larger the lateral distance..."
p. 60, Section 2.8.2, last paragraph:	The reference to Section 2.6.3.3.1 should refer to Section 2.6.2.3
p. 61, Section 2.7.2, first line:	The sentence should begin, "The impact on the focus..."
p. 64, last line:	The sentence should refer to Ref. 1
p. 77, last line:	The reference to Section 5.6.1 should refer to Section 5.6
p. 87, fifth line:	The reference to Section 2.6.7.5 should refer to Section 2.6.6.5

p. 100, second paragraph, last line:	The phrase “single axis” should say “straight axis”
p. 105, penultimate line:	Only Section 2.6.5.4 should be referred to here
p. 107, second paragraph, third line:	The blocked parts are marked “black”
p. 107, second paragraph, fifth line:	“ration” should say “ratio”
p. 108, sixth line:	The reference to Section 2.6.6.4 should refer to Section 2.6.5.1
p. 109, Table 4.2:	The slit-height value for the 1-m double stage should be 20
p. 111, third paragraph, first line:	The reference to Section 2.6.3 should refer to Section 2.6.2.3
p. 116, third paragraph, third line:	The reference to Section 4.1.2 should refer to Section 4.1.1
p. 124, fourth paragraph, fifth line:	The sentence should begin, “The Echelle of 316 mm ⁻¹ ...”
p. 137, Section 4.5.1:	The references to Sections 4.1.6 and 4.1.7 should refer to Sections 4.1.5 and 4.1.6, respectively.
p. 143, second line:	The sentence should refer to Ref. 2
p. 147, Section 5.1.5, line 14:	“noise” should say “background noise”
p. 147, Section 5.1.5, line 16:	The value 10 ⁻³ should be 10 ⁻²
p. 148, third line:	The sentence should refer to Ref. 2
p. 148, end of second paragraph:	The line should refer to Ref. 3
p. 149, third paragraph, first line:	The line should read, “Typical PMT efficiencies are presented in Fig. 5.3.”
p. 154, second paragraph, fifth line:	The reference figure should be Fig. 5.5
p. 155, end of second paragraph:	Line should refer to Ref. 4
p. 156, second paragraph, second line:	The reference to Section 5.9.3 should refer to Section 5.9.2
p. 156, second paragraph, seventh line:	In the parenthetical, “light grey” should say “green”
p. 156, third paragraph, line 14:	The term “civil” should say “civilian”
p. 157, end of Section 5.5	The line should refer to Ref. 4
p. 159, Section 5.6.1, line 13:	The term “capacitive” should say “photoconductive”
p. 162, first paragraph:	The parenthetical should be removed
p. 163, second paragraph, line 13:	The parenthetical should be removed
p. 164, third paragraph:	The first three lines should read, “The grey-framed components show that the signal path with lock-in differs in one position. Between the light source and monochromator entrance, a light chopper (C) is placed.

That also creates a steering signal to synchronize the lock-in.”

p. 171:

The last sentence of the Bandwidth entry should be removed

p. 185, second paragraph, third sentence:

The word “two” should say “three”

p. 190, fourth sentence from the bottom:

The reference to Section 2.6.7 should refer to Section 2.6.6

p. 194, second paragraph, line 17:

The term “corner” should read “corners”

p. 198, first paragraph, fifth line:

The reference to Section 5.8.4 should refer to Section 5.8.2

p. 200, first paragraph, eighth line:

The term “civil” should read “civilian”

p. 205, References

The references should be ordered thus:

1. G. F. Knoll
2. J. M. Lerner and A. Thevenon
3. Hamamatsu Photonics
4. W. Neumann

p. 209, first paragraph, seventh line:

The reference to Section 2.6.3.3 should refer to Section 2.6.2

p. 210, Section 6.3, fifth line:

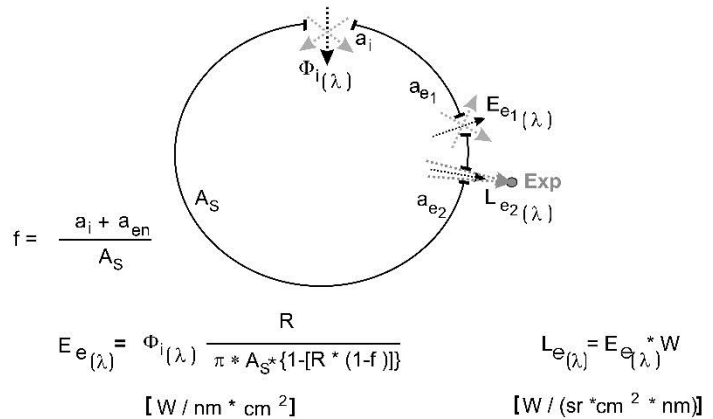
The two Greek omegas should be capital Omegas

p. 218, third paragraph, last line:

The reference to Fig. 6.2 should refer to Fig. 6.1

p. 221, Figure 6.11:

The figure should be replaced with the following:



p. 227, Section 6.5.1, second line:

The term “grey curve” should say “solid curve”

p. 227, Section 6.5.1, third line:

The term “S-25 PMT” should say “S-20 PMT”

p. 227, Section 6.5.1, ninth line:

The word “blue” should say “dashed”, and the word “red” should say “solid black”

p. 228, first paragraph, fourth line:	The blaze should be “500 nm (17 deg)”
p. 229, second paragraph, fifth line:	The changeover value should be “820 nm”
p. 239, last paragraph, penultimate line:	The sentence should start, “If light is available in excess, ...”
p. 243, second paragraph, sixth line:	The reference to Section 4.1.7.1 should refer to Section 4.1.6.1
p. 246, third paragraph, third line:	Revised color descriptions should say, “The vertical position, drawn blue, shows the grating position of reflection, representing 0 nm. The angled arm position (red) represents an angle of 45 deg.”
p. 247, Section 7.1.2, line 10:	" 10×10^4 " should say " 10^4 "
p. 252, third line 3:	The reference to Section 4.1.5 should refer to Section 4.1.4
p. 266, second line:	The acronym “SUT” should read “DUT”
p. 269, seventh line:	The superscript reference should be removed
p. 271, ninth line:	The Greek omega should be a capital Omega
p. 273, third paragraph, fourth line:	The superscript reference should refer to Ref. 1
p. 274, sixth line 6:	The figure reference should refer to Fig. 9.3
p. 274, Section 9.4.1, fifth line:	The superscript reference should refer to Ref. 2
p. 275, References:	The references should read as follows:
	1. C. Moser and G. Steckman
	2. S. Agaian, H. Sarukhanyan, K. Egiazarian, and J. Astola