Errata for Linear and Nonlinear Optimization, 2nd Edition, First Printing

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Items are sorted by chronological order of reporting. Negative line numbers are counted from the bottom of the page. Within displayed equations matrices and vectors are counted as a single line.

Page 53	Line -3	
	Change:	$f(\alpha(x) + (1 - \alpha)x)$
	To:	$f(\alpha(x) + (1 - \alpha)y)$
Page 53	Line -2	
	Change:	any local minimizer
	To:	any strict local minimizer
Page 53	Line -1	
	Change:	a global minimizer
	To:	a strict global minimizer
Page 53	Line -1	
	Insert:	New sentence at end of line: Is every local minimizer also a global minimizer?
Page 23	Line -2	
	Change:	ξ
	To:	ξ_i
Page 24	Line -3	
	Change:	(13.3), (0.31.5)
	To:	(1, 3.3), (0.3, 1.5)
Page 41	Line 9	
	Change:	Schökopf
	To:	Schölkopf
Page 41	Line 16	
	Change:	*Eruditorium*
	To:	*Eruditorum*
Page 52	Line -3	
	Change:	$f(x) = c^T x$ for some vector c
	To:	$f(x) = c^T x + b$ for some vector c and scalar b
Page 539	Line -14	
	Change:	$y_j(w^T x_j - b) = 1$
	To:	$y_j(w^T x_j + b) = 1$
Page 539	Line -12	
	Change:	$b = w^T x_j - y_j = \sum_{i \in SV} \alpha_i y_i x_i^T x_j - y_j$
	To:	$b = y_j - w^T x_j = y_j - \sum_{i \in SV} \alpha_i y_i x_i^T x_j$
Page 709	Line 3	
	Change:	pp. 1 - 52
	To:	pp. 1 - 51
Page 710	Line 2	
	Change:	Compte Rendu
	To:	Comptes Rendus
Page 547	Lines -11, -12	
	Change:	. . . Guignard (1969) is the weakest in the sense that it is not only sufficient but also necessary for the fulfillment of the optimality conditions.
	To:	. . . Guignard (1969) is not only sufficient but also necessary in some sense for the fulfillment of the optimality conditions (cf. Gould and Tolle (1971)).
Page 655	Line -13	
	Change:	Lorenz
	To:	Lorentz
Page 739	Line 9 Column 2	
	Change:	Lorenz
	To:	Lorentz

Page 25 Line 3

Change: Repeat the problem when the first class includes also the point (0.2, 2.5) and the second class includes the point (1.7, 3.6).

To: Repeat the problem when the point (0.2, 2.5) is in the first class rather than the second, and the point (1.7, 3.6) is in the second class rather than the first.

Page 10 Line -4

Change: a_{ij}

To: $a_{ij}x_j$

Page 29 Line 8

Change: 72 Gy

To: 78 Gy

Page 35 Line 10

Change: 1444 detector pairs

To: 2164 detector pairs

Page 148 Exercise 3.2

Change: Example 5.5

To: Example 5.4

Page 160 Exercise 4.6

Change: Examples 5.7, 5.8 and 5.9

To: Examples 5.6, 5.7 and 5.8

Page 166 Line -6

Change: x_4

To: x_5

Page 188 Line 9

Change: maximize

To: minimize

Page 186 Line 9

Change: $y_i - M$

To: $M - y_i$

Page 203 Exercise 4.4

Change: basic x_1 x_2 x_3 x_3 x_4 x_5 rhs

To: basic x_1 x_2 x_3 x_4 x_5 x_6 rhs

Page 206 Line -2

Change: $z(\alpha) = -13 + \alpha c_B^T x_B = -13 + 21\alpha$

To: $z(\alpha) = -13 + \alpha \Delta c_B^T x_B = -13 + 21\alpha$

Page 398 Line -12

Change: $-g(x)$

To: $-\nabla f(x)$

Page 220 Line -4

Change: $c_N = \begin{pmatrix} -5 \\ 0 \end{pmatrix}$

To: $c_N = \begin{pmatrix} 5 \\ 0 \end{pmatrix}$

Page 220 Line -3

Change: $N = \begin{pmatrix} 2 & 1 \\ 4 & 0 \end{pmatrix}$

To: $N = \begin{pmatrix} -2 & 1 \\ -4 & 0 \end{pmatrix}$

Page 207 Line 9

Change: $\hat{c}_N^T = c_N^T - c_B^T B^{-1} N = \begin{pmatrix} 0 \\ \frac{1}{7} \end{pmatrix}$

To: $\hat{c}_N^T = c_N^T - c_B^T B^{-1} N + \alpha(\Delta c_N^T - \Delta c_B^T B^{-1} N) = \begin{pmatrix} 0 \\ \frac{1}{7} \end{pmatrix}$

Page 208 Line 2

Change: $\hat{c}_N^T = c_N^T - c_B^T B^{-1} N = \begin{pmatrix} 0 \\ \frac{1}{8} \end{pmatrix}$

To: $\hat{c}_N^T = c_N^T - c_B^T B^{-1} N + \alpha(\Delta c_N^T - \Delta c_B^T B^{-1} N) = \begin{pmatrix} 0 \\ \frac{1}{8} \end{pmatrix}$