by Griva, Nash, and Sofer
Last modified on September 10, 2018

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 604  Line 5
Change: \( \beta_\mu = f(x) - \mu \frac{1}{g_i(x)} \)
To: \( \beta_\mu = f(x) + \mu \frac{1}{g_i(x)} \)

Page 33  Line -10
Change: 100,000
To: 1,000,000

Page 638  Line -3
Change: \( x_k \)
To: \( x_{k+1} \)

Page 638  Line -2
Change: \( \lambda_1 \)
To: \( \lambda_0 \)

Page 638  Line -1
Change: \( x_k = -\frac{\theta Q^{-1}b}{(1+\rho b^TQ^{-1}b)} \) and \( \lambda_{k+1} = -\theta \left[ \frac{1}{(1+\rho b^TQ^{-1}b)^\kappa} - 1 \right] \)
To: \( x_{k+1} = -\frac{\theta Q^{-1}b}{(1+\rho b^TQ^{-1}b)^{\kappa+1}} \) and \( \lambda_{k+1} = -\theta \left[ \frac{1}{(1+\rho b^TQ^{-1}b)^{\kappa+1}} - 1 \right] \)

Page 389  Exercise 5.16 (i)
Change: sufficient descent condition
To: sufficient decrease condition

Page 112  Line 16
Change: are adjacent
To: are adjacent

Page 651  Line -16
Change: minimization of the \( k \) largest
To: minimization of the sum of the \( k \) largest

Page 656  Line 1 of Exercise 8.9
Change: minimization of the \( k \) largest eigenvalues
To: minimization of the sum of the \( k \) largest eigenvalues

Page 399  Line -11 (Exercise 6.7)
Change: \( pc \)
To: \( p_c \)

Page 476  Table 13.4
Change:
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<th>Preconditioned</th>
<th></th>
<th>Unpreconditioned</th>
</tr>
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<td>( x_i - x_* )</td>
<td>( r_i )</td>
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<td>( 4 \times 10^{-1} )</td>
<td>0</td>
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<tr>
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<td>( 1 \times 10^9 )</td>
<td>( 4 \times 10^{-1} )</td>
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<td>( 1 \times 10^9 )</td>
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<td>( 4 \times 10^{-1} )</td>
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</tbody>
</table>

To:
Page 435 Line 4 of Exercise 12.16
Change: \( x_* = (0.25, -0.75)^T \)
To: \( x_* = (-0.75, 0.25)^T \)

Page 436 Line 6
Change: \((0.25, -0.75)^T\)
To: \((-0.75, 0.25)^T\)

Page 541 Line 15
Change: dual problem
To: primal problem

Page 541 Line 15
Change: dual problem
To: primal problem

Page 489 Exercise 2.2, (ii), (iii), (iv), (v) and (vii)
Note: These problems have nonlinear equalities and require the material of Section 14.4

Page 538 Line -16
Change: an \( n \)-dimensional vector \( \xi \)
To: an \( m \)-dimensional vector \( \xi \)

Page 16 Line -1
Change: get
To: gets

Page 53 Exercise 3.13
Change: for all real number \( k \)
To: for all real numbers \( k \)