

Some corrections of
Solving Ordinary Differential Equations II
 Second Revised Edition 1996, Printing 2010
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p. 98, Table 6.4: for the case $s = 8$, L-stability holds for

$$0.156658599397043948392450644421 \leq \gamma \leq 0.202934860843377673777934934808$$

$$0.205194171949400711746061386010 \leq \gamma \leq 0.234373159605583557947558905263$$

p. 458, after formula (1.20): replace “(1.10a)” with “(1.14a)”

p. 466, exercise 2: “Furthermore, the submatrices A_{22} and B_{11} are invertible, and the diagonal elements of B_{22} are all 0. ” and later

$$AZ_1 = Q_1 \begin{pmatrix} -\lambda_1 \beta & * \\ 0 & \tilde{A} \end{pmatrix}, \quad BZ_1 = Q_1 \begin{pmatrix} \beta & * \\ 0 & \tilde{B} \end{pmatrix}$$

where $\beta = \|Bv_1\|/\|v_1\|$, and Q_1, Z_1 are unitary matrices whose first columns are scalar multiples of Bv_1 and v_1 , respectively.

p. 469, formula (2.5): $-g_{qq}(q)(u, u)$ in second component of right-hand side

p. 470, line 6: $\ddot{g} = g_{qq}(q)(u, u) + G(q)M(q)^{-1}(f(q, u) - G^T(q)\lambda)$

p. 470, formula (2.9): add a minus sign in front of $f_z(\dots)$

p. 476, 2 lines after (2.23): replace “ $q(q) = 0$ ” with “ $g(q) = 0$ ”

p. 540, line 6: “. . . of Fig. 7.4 for all three . . .”

p. 572, line -14: ‘FOR 1<=I-J+MUJAC+1<=MLJAC+MUJAC+1 AND J=1,M2 AND K=0,MM’

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