

Addendum-Erratum to Nonsmooth Modeling and Simulation for Switched Circuits

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Addendum-Erratum to *Nonsmooth Modeling and Simulation for Switched Circuits*, Springer Verlag, LNEE 69, 2011

(the first figure indicates the page number)

- 5, in (1.3), second line: $0 \leq v(t) \perp w(t) = -\frac{u(t)}{R} - \dots$
- 6, line 5: $0 \leq v(t) \perp -\frac{u(t)}{R} - \dots$
- 6, line 8: $\max \left[0, \frac{u(t)}{R} + \frac{1}{RC}z(t) \right]$
- 6, in (1.4): $\max \left[0, \frac{u(t)}{R} + \frac{1}{RC}z(t) \right]$
- 6, in (1.5), second line: $0 \leq v_{k+1} \perp w_{k+1} = -\frac{u_{k+1}}{R} \dots$
- 7, in (1.6): $w_{k+1} = \left(1 + \frac{h}{RC} \right)^{-1} \left[-h\frac{u_{k+1}}{R} + z_k + \frac{1}{R} \right] v_{k+1} \geq 0$
- 12, in (1.16), first line: $\dots + \frac{v(t)}{L}$
- 13, in (1.17): first line: $\dots + \frac{h}{L}v_{k+1}$
- 13, in (1.18): $0 \leq \frac{L}{L+hR}x_k - i_{k+1} + \frac{h}{L+Rh}v_{k+1} \perp \dots$
- 13, paragraph above (1.19): ...then $\frac{L}{L+Rh}x_k - i_{k+1}$ is negative...
- 13, paragraph above (1.19): $v_{k+1} = -\frac{L}{h}x_k + \frac{L+Rh}{h}i_{k+1} > 0$
- 15, third line: $\dots + \frac{h}{L}v_{k+1}$ does...
- 15, in (1.28), first line: $\dots + \frac{\sigma_{k+1}}{L}$
- 15, in (1.29): $0 \leq \left(1 + h\frac{R}{L} \right)^{-1} x_k - i_{k+1} + \frac{1}{L+Rh}\sigma_{k+1} \perp \dots$
- 54, matrices above Lemma 2.44: The determinants of the symmetric parts of the first and the third matrices are negative...
- 55, in Proposition 2.45 M has entries a_{ij}
- 57, in (2.25): missing equivalence between the last two expressions.
- 70, line after (2.61): $K = \{z \in \mathbb{R}^n | Cz + Fu(t^+) \in Q_D^*\}$
- 72, transition matrix in (2.65): $\begin{pmatrix} \frac{-2}{RC} & \frac{1}{RC} & 0 \\ \frac{1}{RC} & \frac{-2}{RC} & \frac{1}{R} \\ 0 & 0 & 0 \end{pmatrix}$