ERRATUM: POINT-TO-PERIODIC AND PERIODIC-TO-PERIODIC CONNECTIONS^{*}

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Following is a list of some corrections we wanted to make to our work before its publication. Unfortunately, the corrections arrived late to the Publisher and were not accounted for in the paper *Point-to-Periodic and Periodic-to-Periodic Connections*, which appeared in BIT, 44 (2004), pp. 41–62.

1. P. 44, line 8. Replace [5] with [5, 20].
2. P. 45, line 18. Replace $[T_-, T_+]$ with $J := [T_-, T_+]$.
3. P. 45, lines 23–24. Modify as “... of Beyn’s proofs, following [20]. The following lemma ...”.
4. P. 45, replace last 4 lines with the following between quotes.

“In the theorems below, we use the spaces

$$W := C^1(J, \mathbb{R}^m) \times \mathbb{R}^p \quad \text{and} \quad Z := C(J, \mathbb{R}^m) \times \mathbb{R}^{m_-^c + m_-^s} \times \mathbb{R}^{m_+^u + 1}.$$

For appropriate $\alpha, \beta > 0$, the norms are defined as

$$\begin{aligned} \|(x, \lambda)\|_W &= \sup_{t \in J_-} \|x(t)\| e^{\alpha t} + \sup_{t \in J_+} \|x(t)\| e^{-\beta t} + \|\lambda\|, \\ \|(y, r_-, r_+)\|_Z &= \|(y, r_-)\|_{Z_1} + \|(y, r_+)\|_{Z_2}, \quad \text{where} \\ \|(y, r_-)\|_{Z_1} &= \sup_{t \in J_-} \|y(t)\| e^{\alpha t} + \|r_-\|, \quad \text{and} \\ \|(y, r_+)\|_{Z_2} &= \sup_{t \in J_+} \|y(t)\| e^{-\beta t} + \|r_+\|, \quad \|\cdot\| = \|\cdot\|_\infty, \end{aligned}$$

and where $J_- = [T_-, 0]$ and $J_+ = [0, T_+]$. With these norms, W and Z become Banach spaces. Anticipating the asymptotic convergence of $x(t)$ to $y(t)$ with rate $\epsilon > 0$, we impose the condition that, for some constant C , $\|x(t) - y_\pm(t)\| \leq C e^{-\epsilon|t|}$ as $t \rightarrow \pm\infty$.”

– As a consequence of the above change, the norms in the statements of Theorems 2.1 and 2.2 need to be changed as well. So, the following changes are needed.

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5. P. 46, line 6–8. It is now $K_\delta = \{(x, \lambda) : \|(x, \lambda) - (\bar{x}|_J, \bar{\lambda})\|_W \leq \delta\}$.
 6. P. 46, formula (2.10). The left-hand side changes to

$$\|(\bar{x}|_J, \bar{\lambda}) - (x_J, \lambda_J)\|_W.$$

7. P. 46, line 13. Replace [4, Theorem 3.1] with [20, Theorem 4].
 8. P. 46, formula (2.11). The left-hand side changes to

$$\|F(\bar{x}|_J, \bar{\lambda})\|_Z.$$

9. P. 46, formula (2.12). The left-hand side changes to

$$\|(\bar{x}|_J, \bar{\lambda}) - (x_J, \lambda_J)\|_W.$$