Erratum to “Necessary and Sufficient Conditions for the Solvability of the Inverse Problem for the Matrix Sturm–Liouville Operator” [Functional Anal. Appl. 46(1), 2012]

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The asymptotic relations (4) in Lemma 3 should read

$$\begin{aligned}\alpha_n^{(s)} &= \frac{2n^2}{\pi}(I^{(s)} + \varkappa_n^{(s)}), \quad \{\|\varkappa_n^{(s)}\|\}_{n \geq 1} \in l_2, \quad s = 1, \dots, p, \\ \sum_{s=1}^p \alpha_n^{(s)} &= \frac{2n^2}{\pi} \left(I_m + \frac{\varkappa_n}{n} \right), \quad \{\|\varkappa_n\|\}_{n \geq 1} \in l_2, \\ \{n^{-2}\|(I_m - I^{(s)})\alpha_{nq}\|\}_{n \geq 1} &\in l_2, \quad s = 1, \dots, p, \quad q = m_s, \dots, m_{s+1} - 1,\end{aligned}$$

where

$$I^{(s)} = [I_{jk}^{(s)}]_{j,k=1,\dots,m}, \quad I_{jk}^{(s)} = \begin{cases} 1 & \text{if } j = k, \omega_j = \omega_{m_s}, \\ 0 & \text{otherwise.} \end{cases}$$

The proof of Theorem 1 should be corrected with regard to this change (see N. Bondarenko, *An Inverse Problem for the Non-Self-Adjoint Matrix Sturm–Liouville Operator*, arXiv:1407.3581 [math.SP]).

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