Erratum to: Convergence analysis of Legendre spectral projection methods for Hammerstein integral equations of mixed type

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The authors regret the fact that throughout the paper, we assumed $\|\mathcal{P}_n\|_{L^2} \leq p$, where p is a constant independent of n , which is not true. Although it is true that, $\|\mathcal{P}_n x\|_{L^2} \leq p_1 \|x\|_\infty$, where p_1 is a constant independent of n . In Lemma 2.2 and 2.4, we quoted that $\{\mathcal{P}_n^G : n \in \mathbb{N}\}$ and $\{\mathcal{P}_n^C : n \in \mathbb{N}\}$ are uniformly bounded in L^2 -norm. We now rewrite this statements as “ $\|\mathcal{P}_n^G x\|_{L^2} \leq r_1 \|x\|_\infty$ and $\|\mathcal{P}_n^C x\|_{L^2} \leq r_2 \|x\|_\infty$ ”, where r_1 and r_2 are constants independent of n . To prove the estimates (2.28), (2.29) and (2.33), we have used the estimate $\|\mathcal{P}_n\|_{L^2} \leq p$. Those estimates can be easily obtained by using the estimate $\|\mathcal{P}_n x\|_{L^2} \leq p_1 \|x\|_\infty$ also.

The authors would like to apologize for any inconvenience caused.

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