

Errata for the PhD thesis

“Computer-aided proofs and algorithms in analysis”

- Section 5.1
 - page 37, lines 2–3: Hilbert space of square-integrable functions $\mathcal{H}_0 = \mathcal{L}^2(\mathbb{T}^d)$ and that $u(t, \cdot) \in \mathcal{H}_0$, where the ...
 - page 37, line 8: where $F : \text{dom}(F) \subset \mathcal{H}_0 \rightarrow \mathcal{H}_0$ is a differential operator such that $\text{dom}(F)$ is dense in \mathcal{H}_0 .
 - page 38, line 3: differentiable function $u : [0, t_{max;u_0}) \times \mathbb{T}^d \rightarrow \mathbb{R}$
- References
 - page 47, reference [1]:
 - [1] G. Alefeld, J. Herzberger, Introduction to Interval Computations, Computer science and applied mathematics, Academic Press, New York, NY, 1983, translation of: Einfhrung in die Intervallrechnung.