Erratum

Optimal L^∞ -Error Estimates for Piecewise Linear Finite Elements in $\mathbb{R}^n$ for $1 \leq n \leq 3$

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The main assertion of the paper, namely the estimate $|u_h - u|_{0, \infty, \Omega} = O(h^2)$, is wrong. As formula (20) should read properly

$$\max_{K \in \mathcal{K}_h} |v_h - v|_{0, \infty, K} = \max_{K \in \mathcal{K}_h} |\hat{v}_h|_K - \hat{v}|_{0, \infty, K},$$

one would only get the weaker result $(\sum_{K \in \mathcal{K}_h} \text{meas}(K) |u_h - u|_{0, \infty, K}^2)^{\frac{1}{2}} = O(h^2)$.