

- ▶ THOMAS POWELL, *A new application of proof mining in the fixed point theory of uniformly convex Banach spaces.*
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Proof mining is a branch of mathematical logic which makes use of proof theoretic techniques to extract quantitative information from seemingly nonconstructive proofs. In this talk, I present a new application of proof mining in functional analysis, which focuses on the convergence of the Picard iterates $(T^n x)_{n \in \mathbb{N}}$ for a class of mappings T on uniformly convex Banach spaces whose fixpoint sets have nonempty interior.