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Abstract

Give a concise statement of the problem, method, main result, and conclusion.

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1 Introduction

Set out the motivation, contribution, and literature.

2 Preliminaries

Let $(X, \|\cdot\|)$ be a normed space and $T : X \to X$ a contraction.

Theorem 2.1. *There is a unique fixed point $x^* \in X$ satisfying $T(x^*) = x^*$.*

Proof. Apply the contraction mapping principle. □

3 Main results

$$\|T(x) - T(y)\| \leq q\|x - y\|, \quad 0 \leq q < 1. \tag{1}$$

Table 1: Illustrative discretisation errors.

N	16	32	64
L^2 error	2.1×10^{-2}	5.4×10^{-3}	1.3×10^{-3}

4 Conclusions

Summarise the result and mention open questions.

References

[1] A. Researcher, "An example mathematical result," Example Journal 14 (2026), 1–12.