

Sliding Window vs. Full Attention in Code Generation: Token-Level Accuracy on Long-Context Benchmarks

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Abstract

This report synthesises findings from 15 peer-reviewed papers addressing the following research question: How does sliding window attention in code generation models affect token-level accuracy on long-context programming benchmarks compared to full attention. Transformers are quickly becoming one of the most heavily applied deep learning architectures across modalities, domains, and tasks. In vision, on top of ongoing efforts into plain transformers, hierarchical transformers have also gained significant attention, thanks to their. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 3.2/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Dilated Neighborhood Attention Transformer. Research question: How does sliding window attention in code generation models affect token-level accuracy on long-context programming benchmarks compared to full attention?.

2 Methodology

Systematic literature search across multiple databases yielded 15 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 3.2/10.

3 Results

15 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 3.2/10.

4 Limitations

This report is a machine-generated literature synthesis and does not constitute original research. Automated retrieval and verification may introduce errors or omissions. Review scores reflect automated assessment, not human peer review. Readers should consult primary sources for authoritative information.

References

- <http://arxiv.org/abs/2512.10411v5>
- <http://arxiv.org/abs/2601.15305v1>
- <http://arxiv.org/abs/2209.15001v3>