# Graph Diffusion Samplers vs. GNN Encoders: Memory and Batch Efficiency on Large-Scale Graphs

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**Abstract**

This report synthesises findings from 12 peer-reviewed papers addressing the following research question: How do memory consumption and batch processing efficiency differ between graph diffusion samplers and standard GNN encoders when evaluating robustness on graphs exceeding 100k nodes. 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: Improving Subgraph-GNNs via Edge-Level Ego-Network Encodings. Research question: How do memory consumption and batch processing efficiency differ between graph diffusion samplers and standard GNN encoders when evaluating robustness on graphs exceeding 100k nodes?.

## 2 Methodology

Systematic literature search across multiple databases yielded 12 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

12 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/2303.04707v2
- http://arxiv.org/abs/2410.17526v1
- http://arxiv.org/abs/2312.05905v2