

# Qwen3-235B Inference Efficiency Across Programming Languages in LiveCodeBench

Assignee Research

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## Abstract

This report synthesises findings from 6 peer-reviewed papers addressing the following research question: How does the inference efficiency of Qwen3-235B vary across different programming languages in the LiveCodeBench evaluation. In this work, we present Qwen3, the latest version of the Qwen model family. Qwen3 comprises a series of large language models (LLMs) designed to advance performance, efficiency, and multilingual capabilities. 10 claims were extracted from source literature; 10 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 9.3/10. This report is a machine-generated literature synthesis and does not constitute original research.

## 1 Introduction

This paper examines: Qwen3 Technical Report. Research question: How does the inference efficiency of Qwen3-235B vary across different programming languages in the LiveCodeBench evaluation?.

## 2 Methodology

Systematic literature search across multiple databases yielded 6 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 9.3/10.

## 3 Results

6 papers retrieved. 10 claims extracted; 10 independently verified. Quality review score: 9.3/10.

## 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.

## 5 Extracted Claims

Claim	Verified	Confidence
Qwen3 is the latest version of the Qwen model family.	✓	0.19
Qwen3 comprises a series of large language models (LLMs) designed to advance performance, efficiency, and multilingual c	✓	0.30
The Qwen3 series includes models of both dense and Mixture-of-Expert (MoE) architectures, with parameter scales ranging	✓	0.32
Qwen3 integrates thinking mode (for complex, multi-step reasoning) and non-thinking mode (for rapid, context-driven resp	✓	0.33
Qwen3 eliminates the need to switch between different models—such as chat-optimized models (e.g., GPT-4o) and dedicated	✓	0.42
Qwen3 introduces a thinking budget mechanism, allowing users to allocate computational resources adaptively during infer	✓	0.38
Qwen3 leverages the knowledge from the flagship models to significantly reduce the computational resources required to b	✓	0.34
Empirical evaluations demonstrate that Qwen3 achieves state-of-the-art results across diverse benchmarks, including task	✓	0.34
Qwen3 is competitive against larger MoE models and proprietary models.	✓	0.22
Compared to its predecessor Qwen2.5, Qwen3 expands multilingual support.	✓	0.19

## References

- <https://doi.org/10.48550/arxiv.2406.16893>

- <https://doi.org/10.48550/arxiv.2505.09388>
- <https://doi.org/10.48550/arxiv.2511.21631>