

An Upper Bound of $9/4$ for the Matrix Multiplication Exponent

Original summary — NOT the original paper or model card.

Repository manuscript; independent validation not established · October 2, 2026 [50]

Authors/source: OpenAI

Coverage: matrix direct match

What the source reports

Direct match to exponent 2.25: $\omega(C) \leq 9/4$, asymptotic arithmetic-operation complexity with arbitrary positive exponent slack. Not a demonstrated practical GPU speedup or bit-complexity result. [50]

Managing expectations

Listed in formalization.yaml sources; artifacts inspected, not independently executed. No independent peer-review certification established by these repository materials. This brief reports the manuscript claim; it is not a verification of its proof. [50]

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