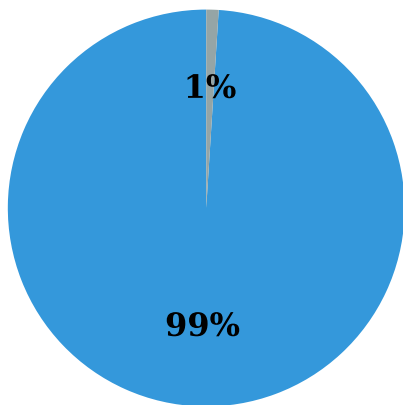
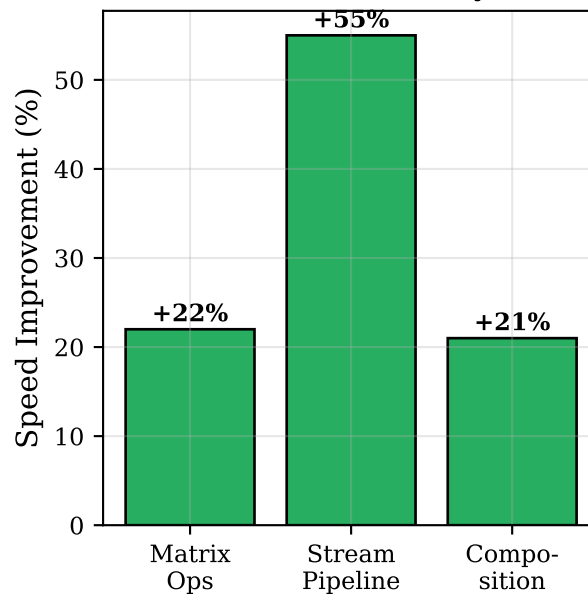


# ATOMiK vs SCORE: Benchmark Summary Dashboard

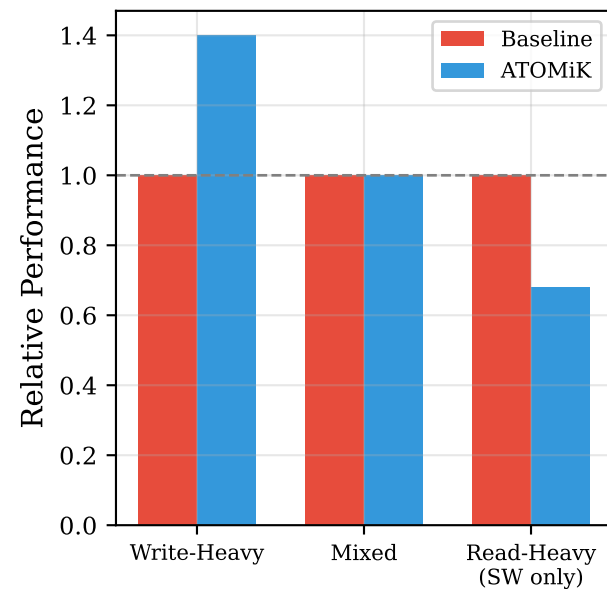
(a) Memory Traffic Reduction



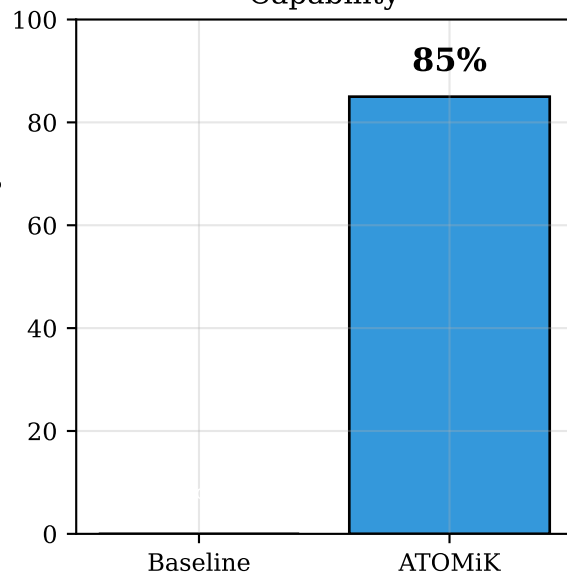
(b) Execution Speed Gains (Write-Heavy)



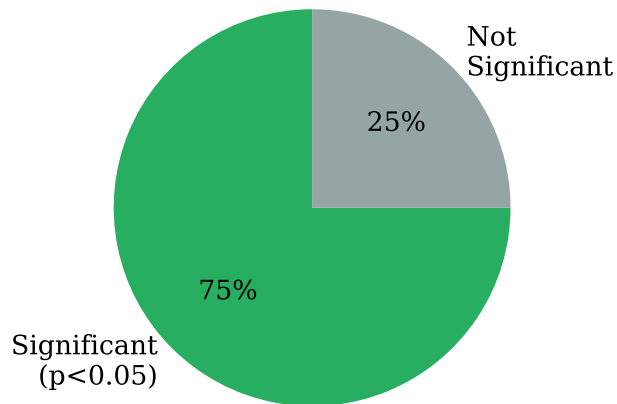
(c) Workload Trade-offs



(d) Parallelization Capability



(e) Statistical Significance



(f) Summary

## Key Results Summary

Memory Traffic: 95-100% ↓  
Speed (writes): +22-55%  
Hardware: Uniform 0(1)  
Parallel Eff.: 85% vs 0%  
Measurements: 360 total  
HW Tests: 10/10 pass