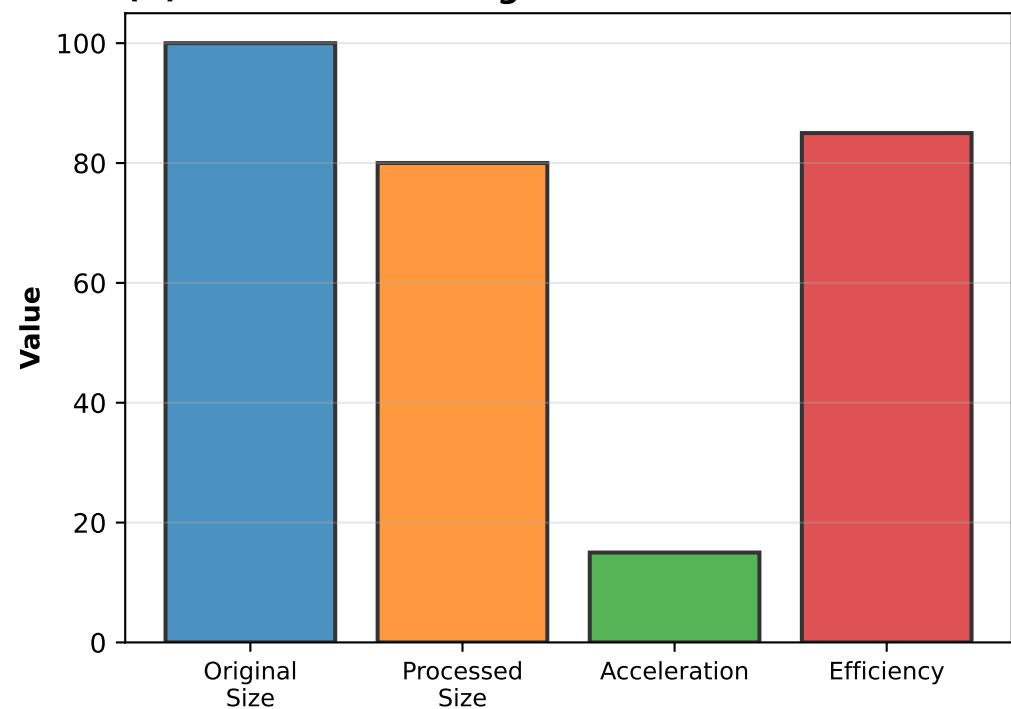
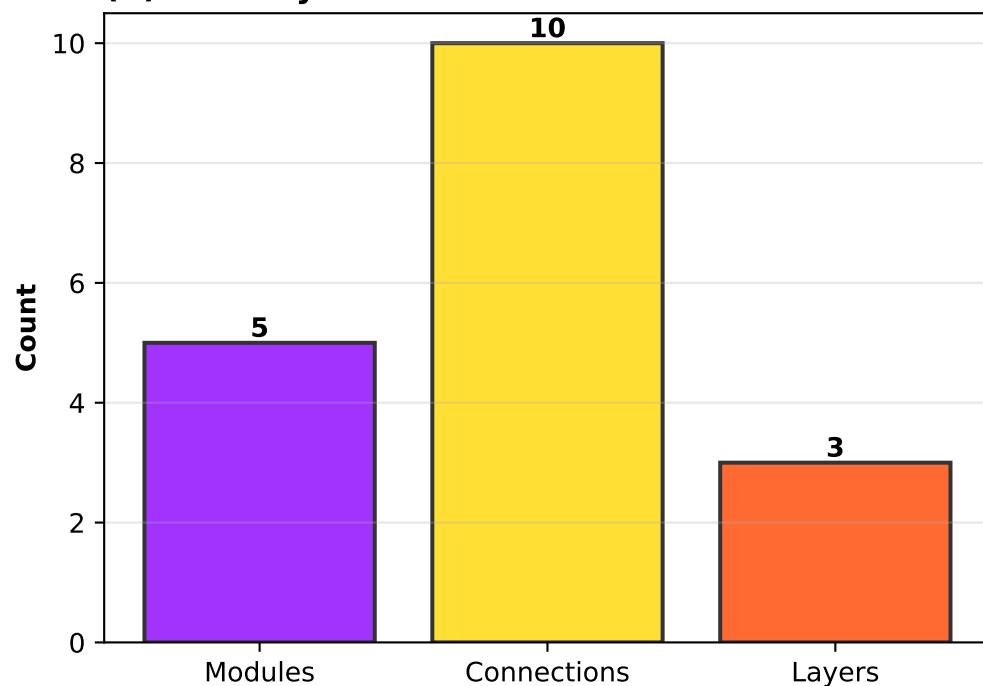


Figure 18: Quantum-Classical Processing Bridge - System Integration

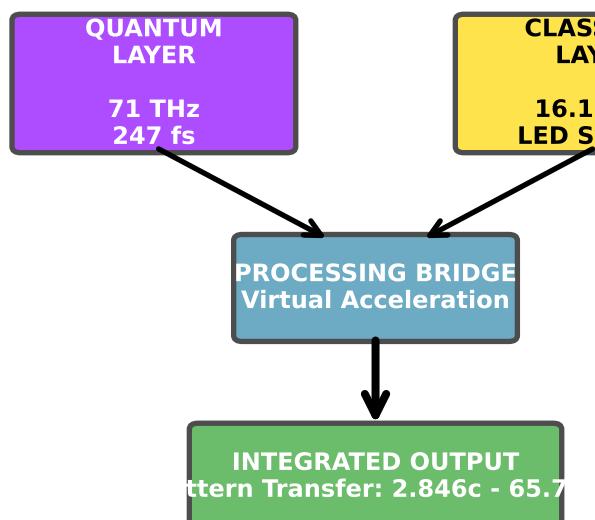
(A) Virtual Processing Acceleration



(B) Foundry Architecture



(C) Quantum-Classical Integration



INTEGRATION SUMMARY

Quantum OS Framework:

- Compression: 1.389x
- Understanding: 0.35
- Equivalence classes: 1

Virtual Processing:

- Acceleration: 1.50x
- Efficiency: 0.85
- Original: 100 bytes
- Processed: 80 bytes

Foundry Architecture:

- Modules: 5
- Connections: 10
- Layers: 3

Integration Validation:

- Atoms as oscillators: ✓
- Atoms as processors: ✓
- Dual-function framework: ✓
- Quantum-classical bridge: ✓

Result:
Atomic oscillators (71 THz) process information while oscillating, enabling pattern transfer at categorical velocities (2.846c+)