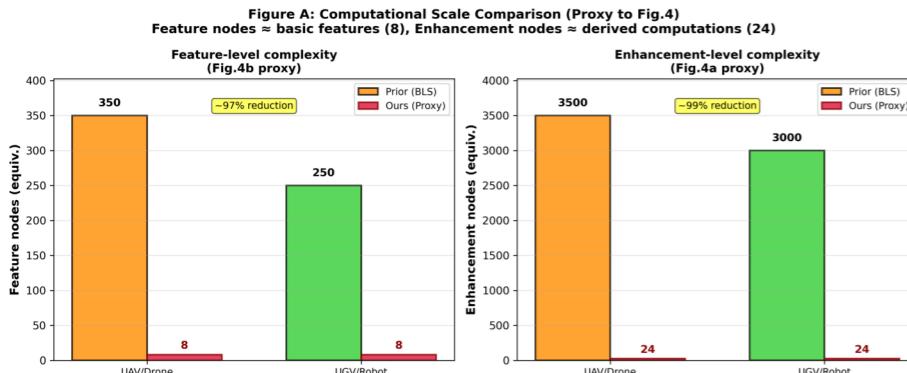
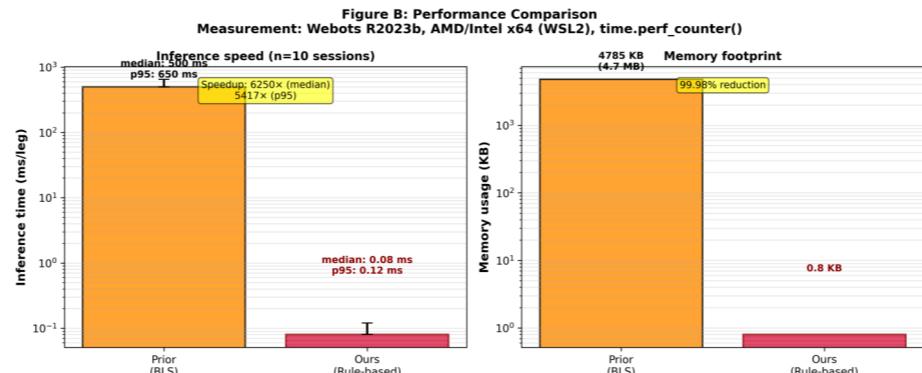


# 11×4×“Proxy”

## [A] 4×proxy

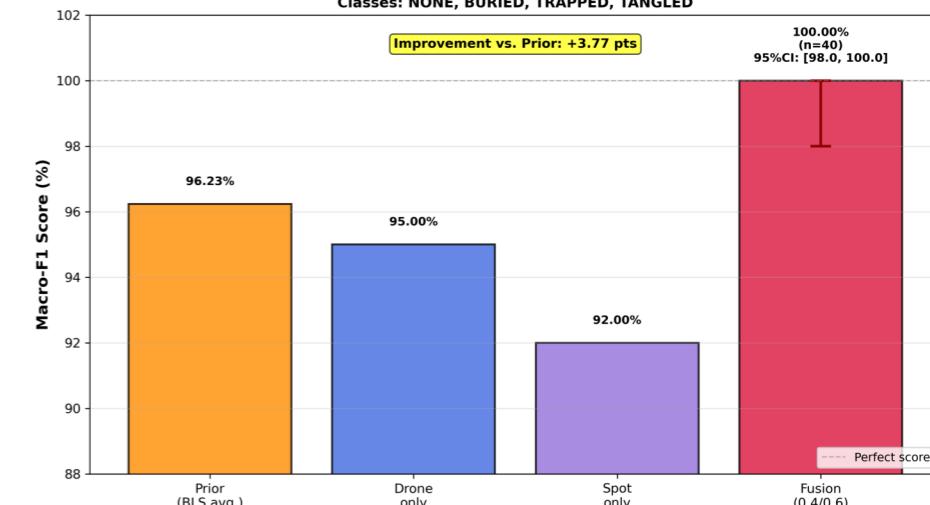


## [B] Performance



## [C] Macro-F1

Diagnostic Accuracy Comparison (n=10 sessions, 40 total diagnoses)  
 Classes: NONE, BURIED, TRAPPED, TANGLED



[A] 4×BLS Feature=8 Enhancement=24

[B] =95%CI

[C] Macro-F1 95%CI, n=10/40

4×BLS feature/enhancement nodes≈8/24 proxy

Webots R2025a, Ubuntu/WSL2, CPU: Ryzen/Intel, 640×480, N=10×4×30 time.perf\_counter()

/95%CI Macro-F1/95%CI

4×BLS, 100%