SpMM runtime at various sparsities, using random uniform sparse matrices 8.0 Rosko 0.7 **CSR-Numpy** Runtime (sec) 0.5 0.5 0.4 0.3 0.2 0.6 Array-Numpy 0.1 0.0 60 65 70 80 85 90 95 100

Sparsity (%)