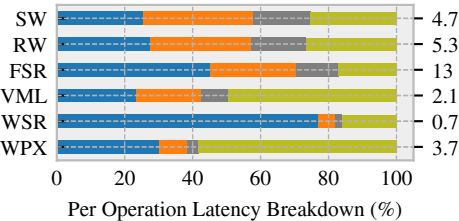
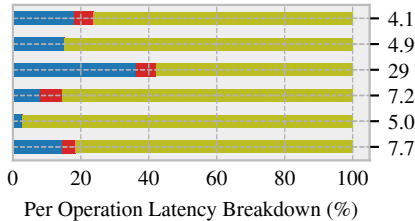


■  $D$  Time   
 ■  $J_M$  (or  $m_e$  in LFS) Time   
 ■  $J_C$  (or  $m_t$  in LFS) Time   
 ■  $M$  Time   
 ■  $\overline{J_M|J_C}$  Time   
 ■ GC Time

(a) JFS (i.e., PMFS)



(b) JFS + Checksum (i.e., SplitFS)



(c) LFS (i.e., NOVA)

