

EXPERIMENT 20

TWO SITES, HETERO. DISKS, RANDOM DELAY, RANDOM LOAD

$speedChoicesServer1 = [0.2', 0.5', 6.1', 8.3', 13.2']$ (SSDs+HDDs)

$speedChoicesServer2 = [0.2', 0.5', 6.1', 8.3', 13.2']$ (SSDs+HDDs)

$delayChoices = [2', 4', 6', 8', 10']$

$loadChoices = [2', 4', 6', 8', 10']$

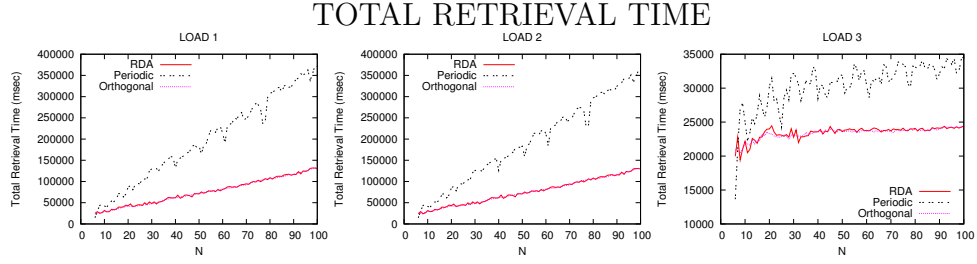


Figure 1: Total Retrieval Time, Arbitrary Queries

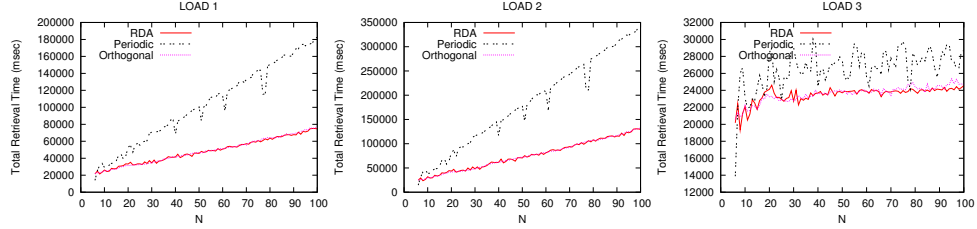


Figure 2: Total Retrieval Time, Range Queries

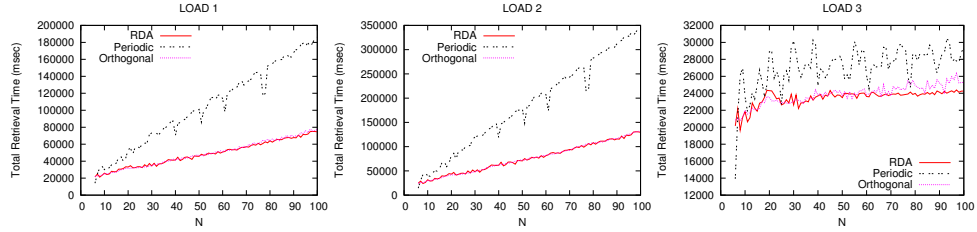


Figure 3: Total Retrieval Time, Connected Queries

MAX-FLOW VS. ONLINE

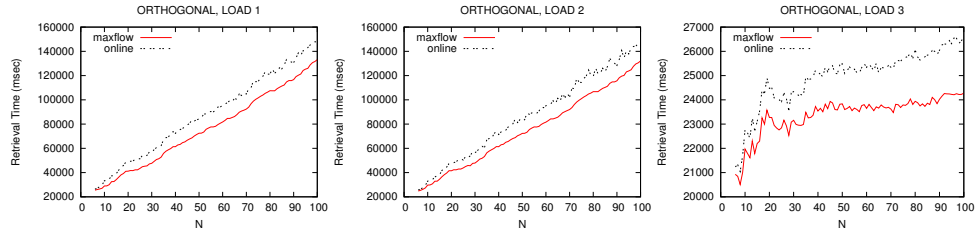


Figure 4: Max-flow vs. Online, Arbitrary, Orthogonal

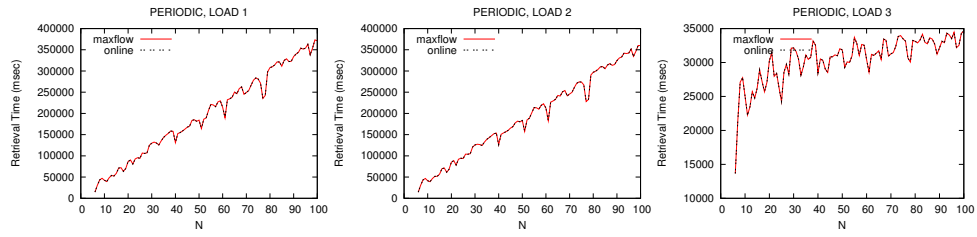


Figure 5: Max-flow vs. Online, Arbitrary, Periodic

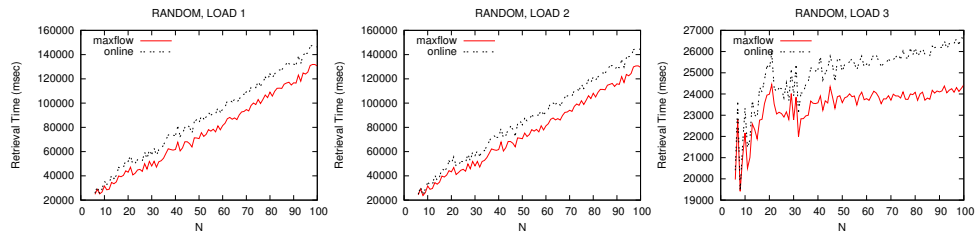


Figure 6: Max-flow vs. Online, Arbitrary, Random

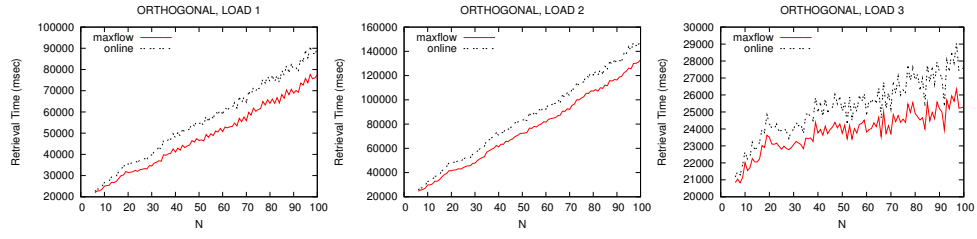


Figure 7: Max-flow vs. Online, Connected, Orthogonal

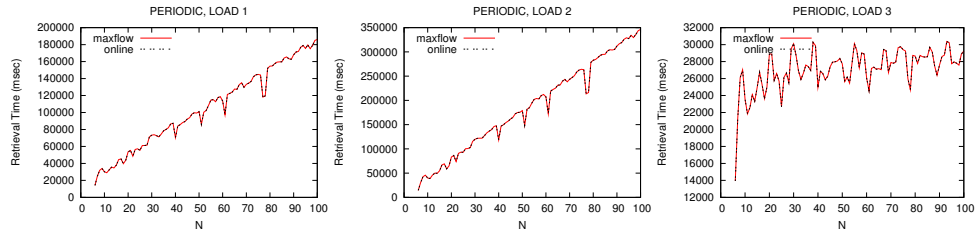


Figure 8: Max-flow vs. Online, Connected, Periodic

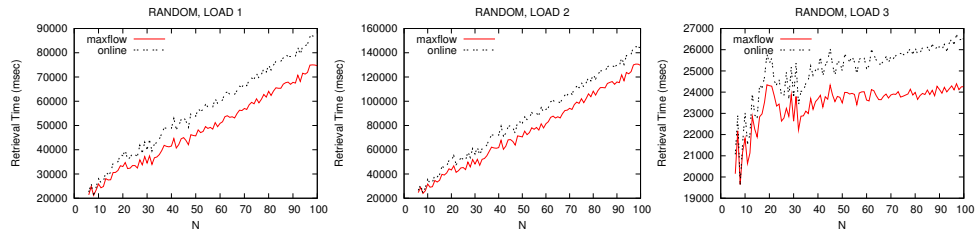


Figure 9: Max-flow vs. Online, Connected, Random

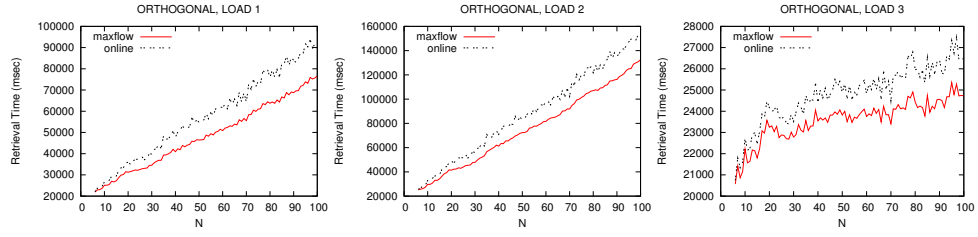


Figure 10: Max-flow vs. Online, Range, Orthogonal

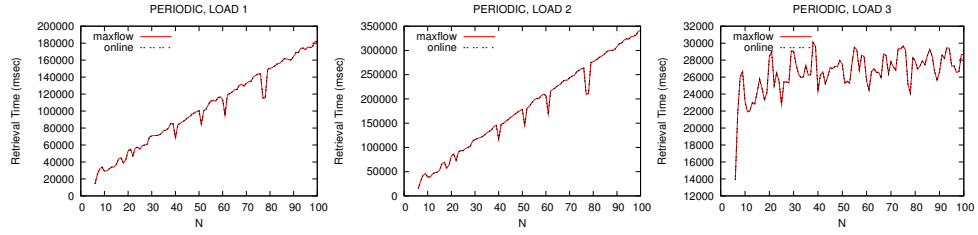


Figure 11: Max-flow vs. Online, Range, Periodic

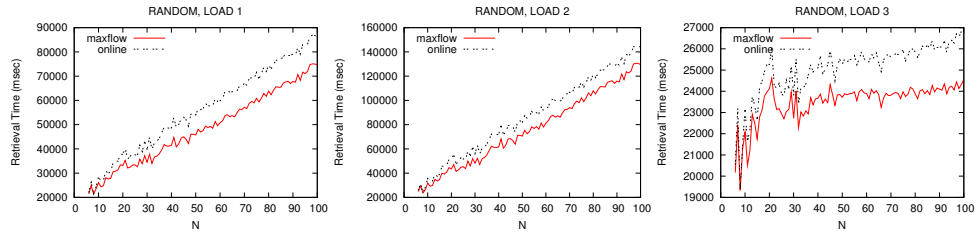


Figure 12: Max-flow vs. Online, Range, Random

RUNNING TIME

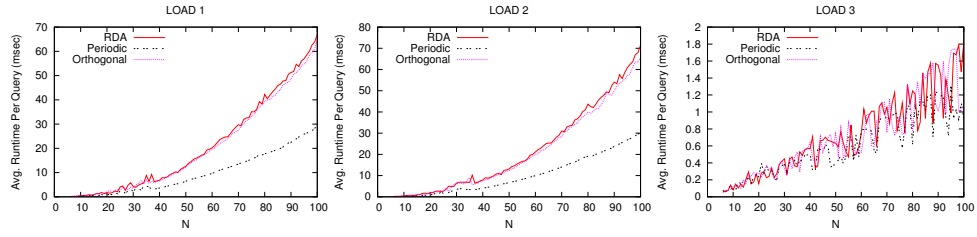


Figure 13: Running time, Arbitrary Queries

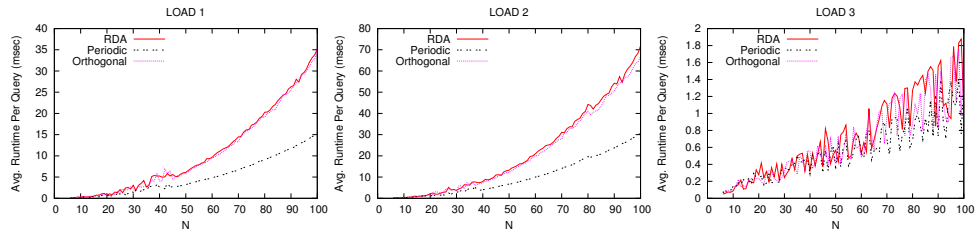


Figure 14: Running time, Range Queries

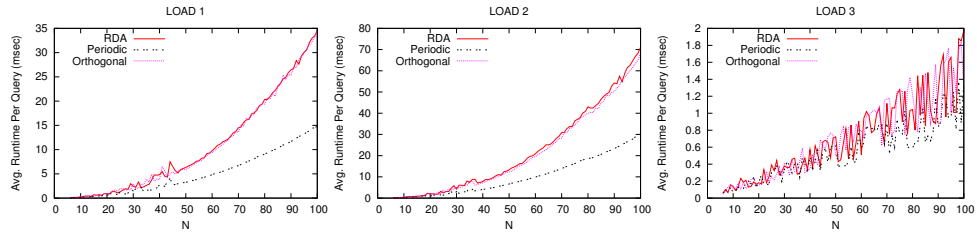


Figure 15: Running time, Connected Queries

MAX-FLOW RUN AMOUNT

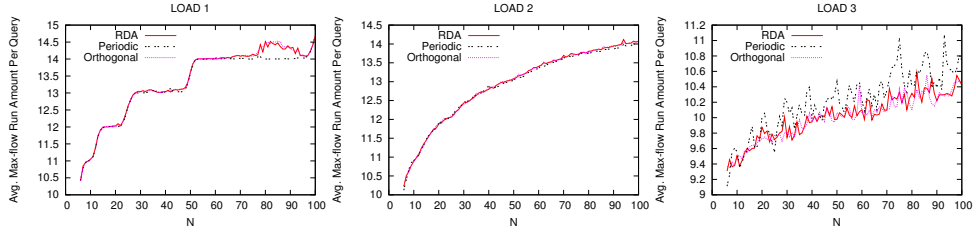


Figure 16: Max-flow Run Amount, Arbitrary Queries

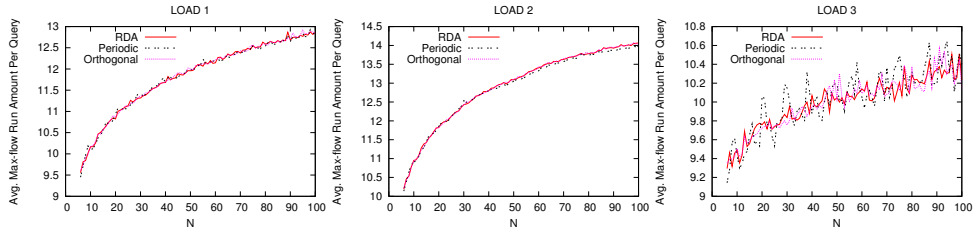


Figure 17: Max-flow Run Amount, Range Queries

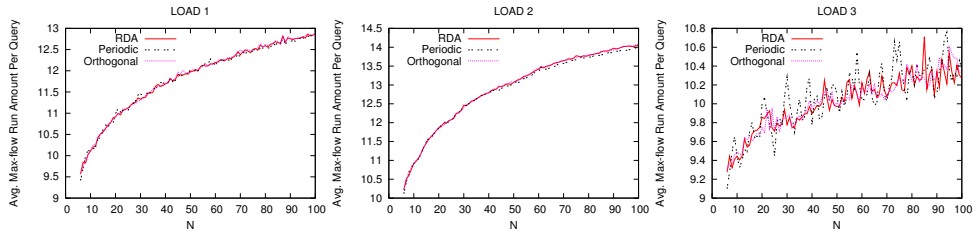


Figure 18: Max-flow Run Amount, Connected Queries

OPTIMALITY

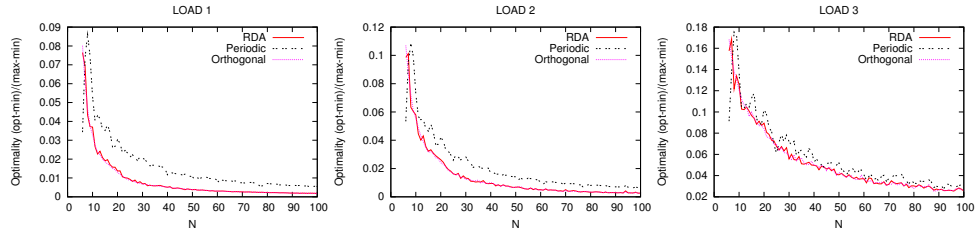


Figure 19: Optimality, Arbitrary Queries

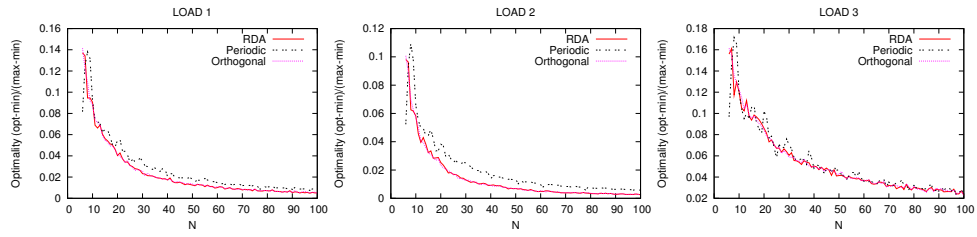


Figure 20: Optimality, Range Queries

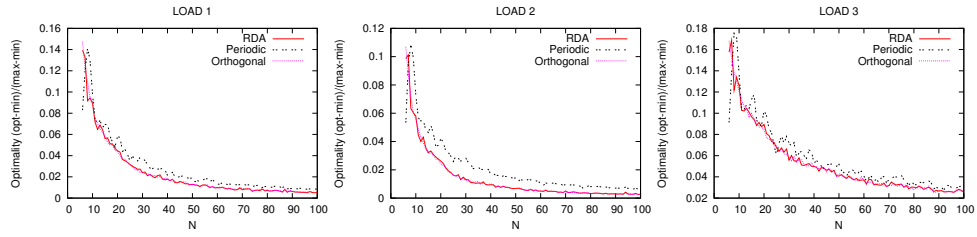


Figure 21: Optimality, Connected Queries