

## EXPERIMENT 3

TWO SITES, HETERO. DISKS, 0 DELAY+LOAD

$speedChoicesServer1 = [6.1', 8.3', 13.2']$  (HDDs)

$speedChoicesServer2 = [0.2', 0.5']$  (SSDs)

$delayPlusLoadChoices1 = 0$

$delayPlusLoadChoices2 = 0$

### EXECUTION TIME RATIO

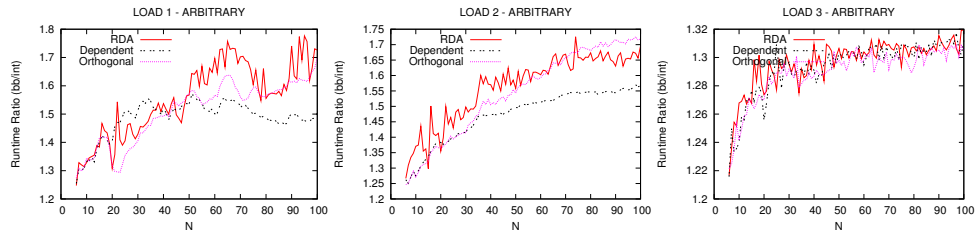


Figure 1: Running time, Arbitrary Queries

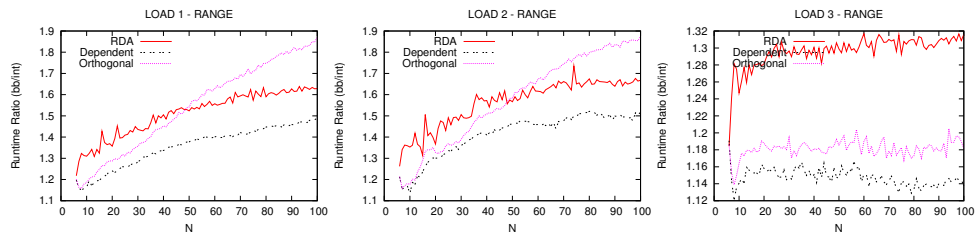


Figure 2: Running time, Range Queries

# Push-relabel Black Box vs. Integrated

## Black Box

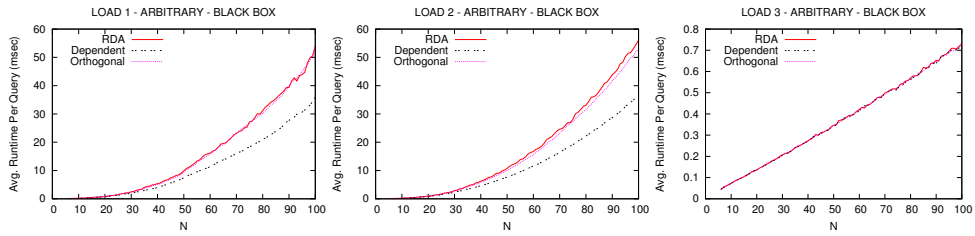


Figure 3: Black box, Running time, Arbitrary Queries

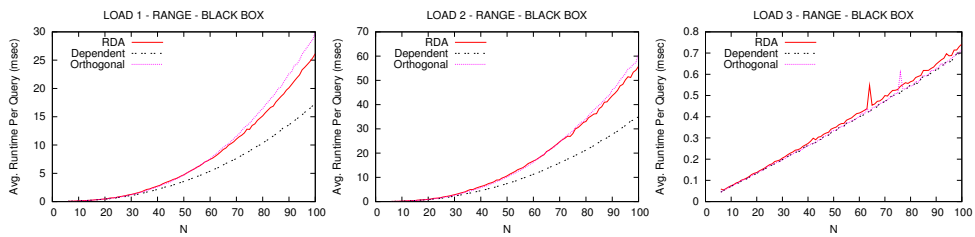


Figure 4: Black box, Running time, Range Queries

# Integrated

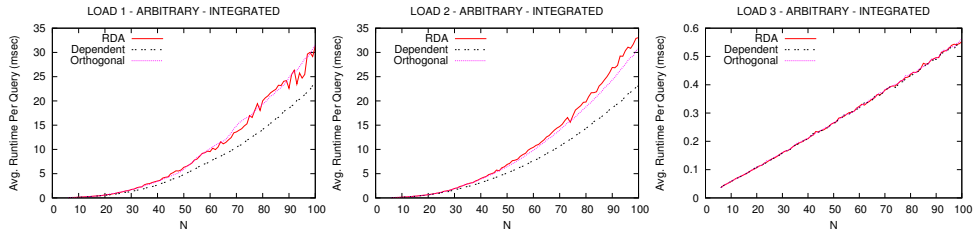


Figure 5: Integrated, Running time, Arbitrary Queries

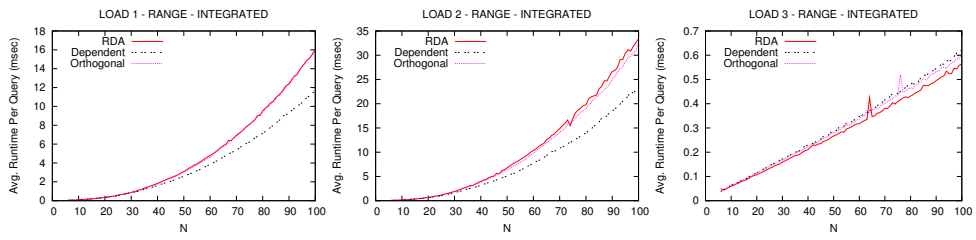


Figure 6: Integrated, Running time, Range Queries

# Ford-Fulkerson vs. Push-relabel

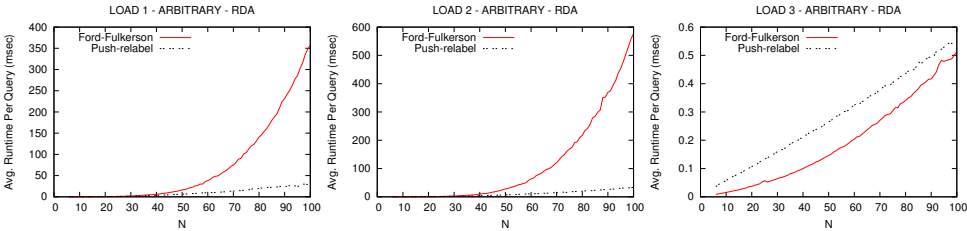


Figure 7: Running time, Arbitrary Queries, RDA

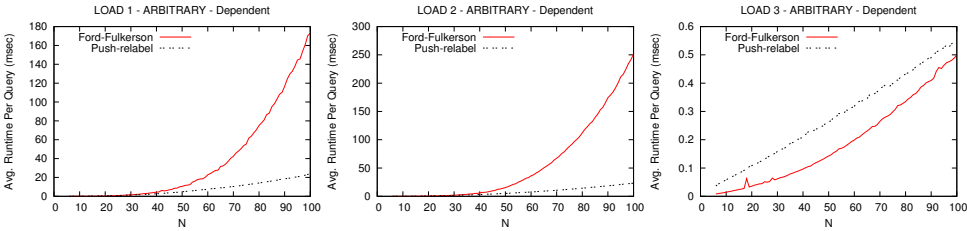


Figure 8: Running time, Arbitrary Queries, Dependent

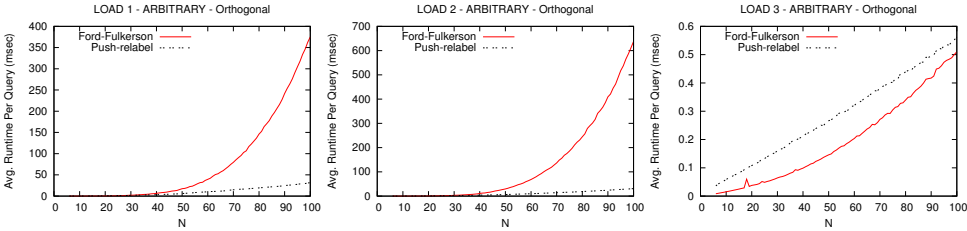


Figure 9: Running time, Arbitrary Queries, Orthogonal

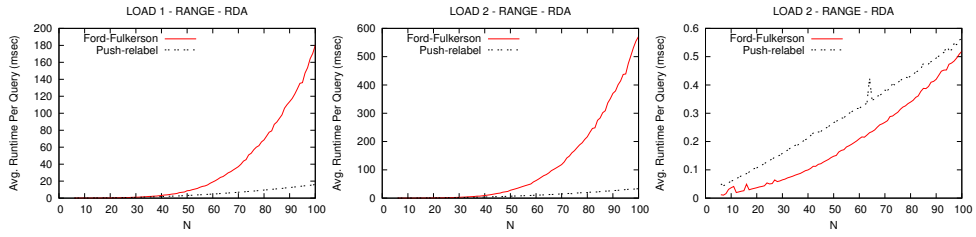


Figure 10: Running time, Range Queries, RDA

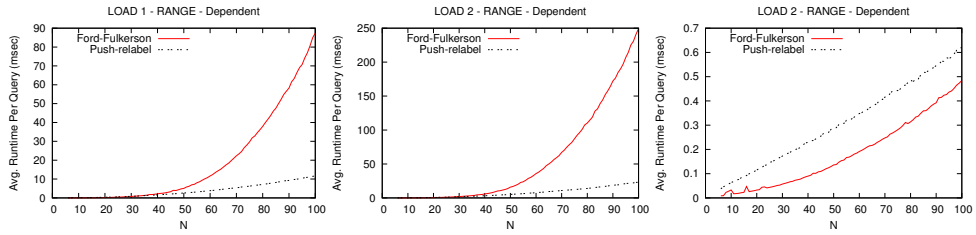


Figure 11: Running time, Range Queries, Dependent

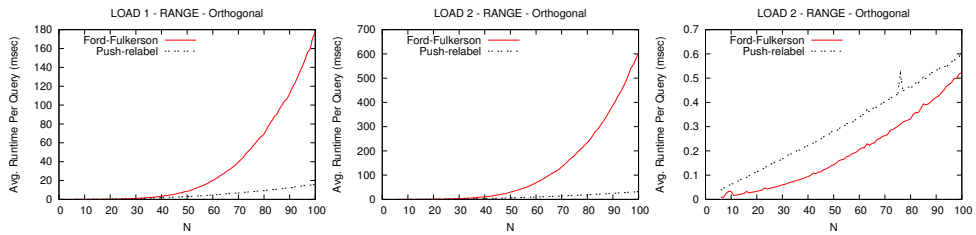


Figure 12: Running time, Range Queries, Orthogonal