

## EXPERIMENT 1

TWO SITES, HOMOGENEOUS DISKS, (0,0) DELAY+LOAD

$speedChoicesServer1 = 6.3$

$speedChoicesServer2 = 6.3$

$delayPlusLoadChoices1 = 0$

$delayPlusLoadChoices2 = 0$

### EXECUTION TIME RATIO

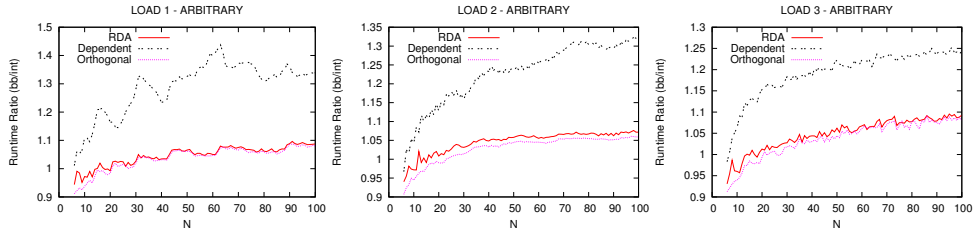


Figure 1: Running time, Arbitrary Queries

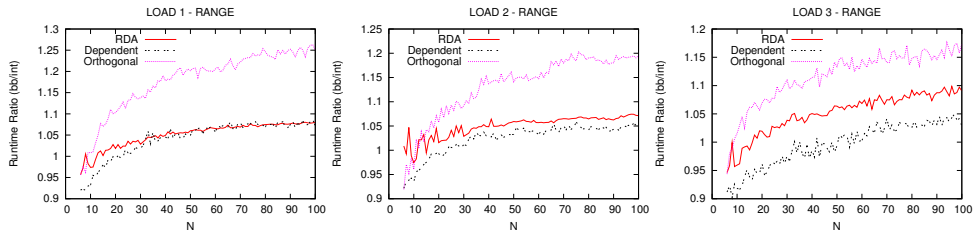


Figure 2: Running time, Range Queries

# Push-relabel Black Box vs. Integrated Black Box

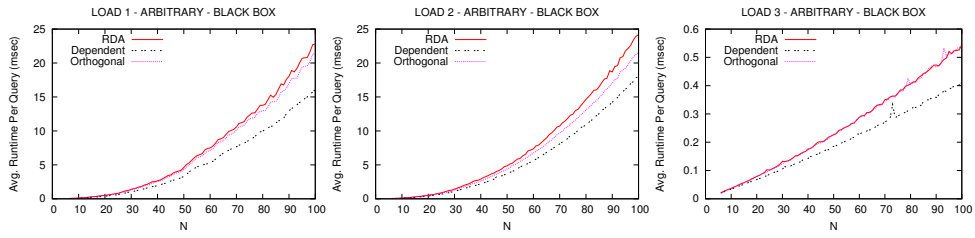


Figure 3: Black box, Running time, Arbitrary Queries

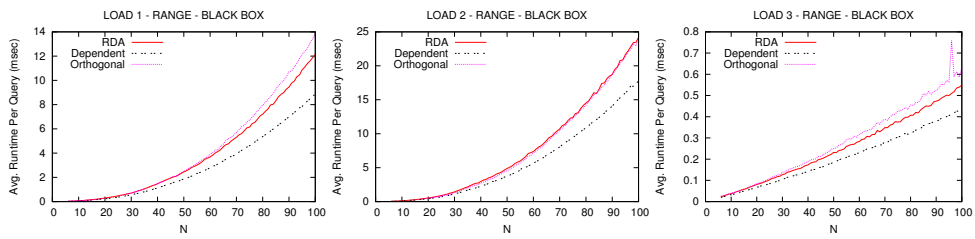


Figure 4: Black box, Running time, Range Queries

# Integrated

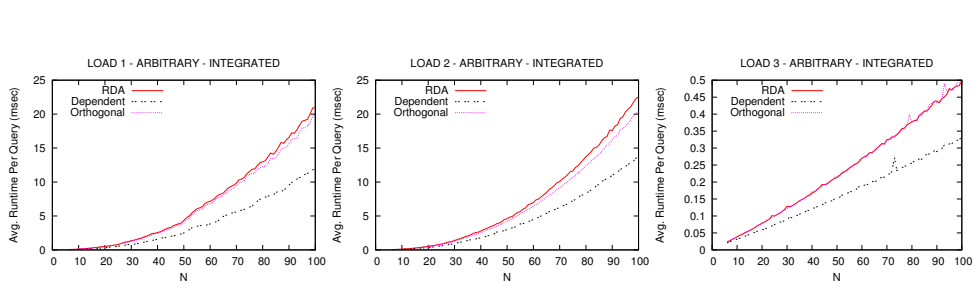


Figure 5: Integrated, Running time, Arbitrary Queries

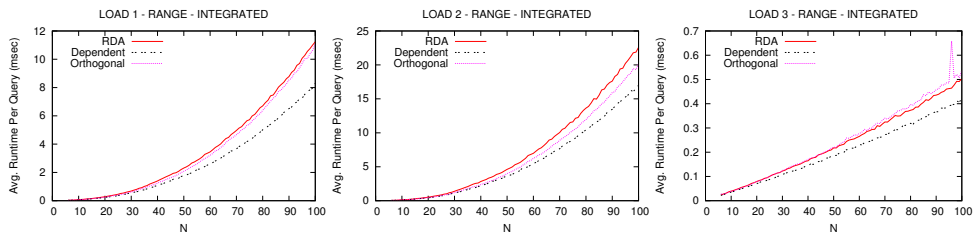


Figure 6: Integrated, Running time, Range Queries

## Ford-Fulkerson Basic vs. Push-relabel

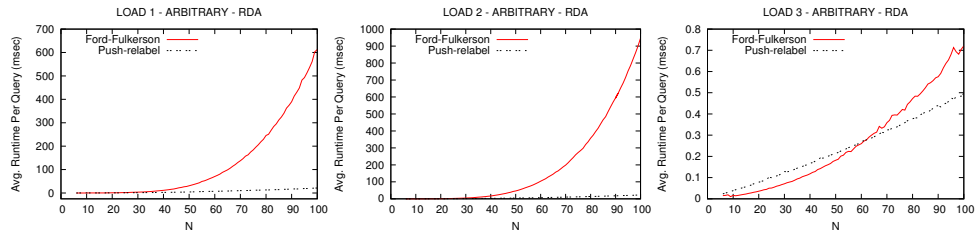


Figure 7: Running time, Arbitrary Queries, RDA

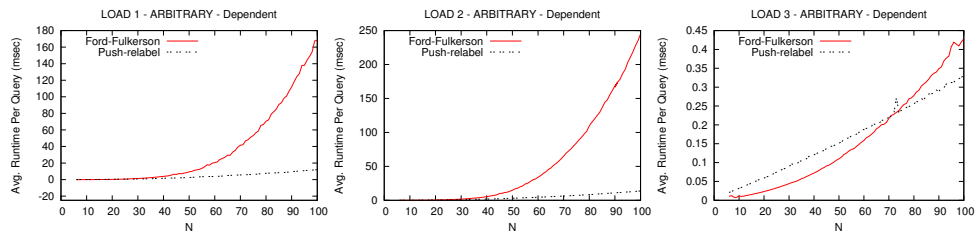


Figure 8: Running time, Arbitrary Queries, Dependent

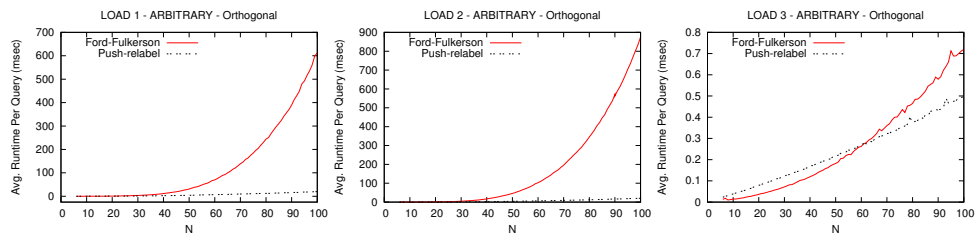


Figure 9: Running time, Arbitrary Queries, Orthogonal

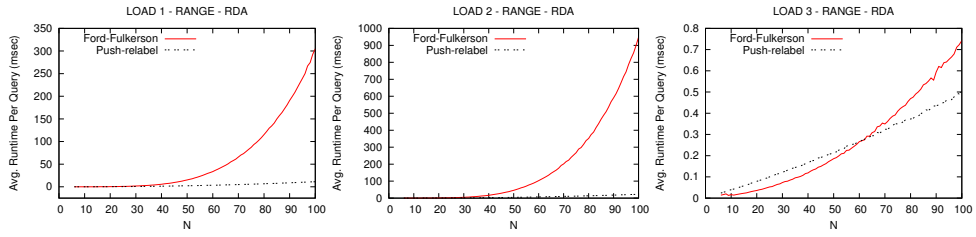


Figure 10: Running time, Range Queries, RDA

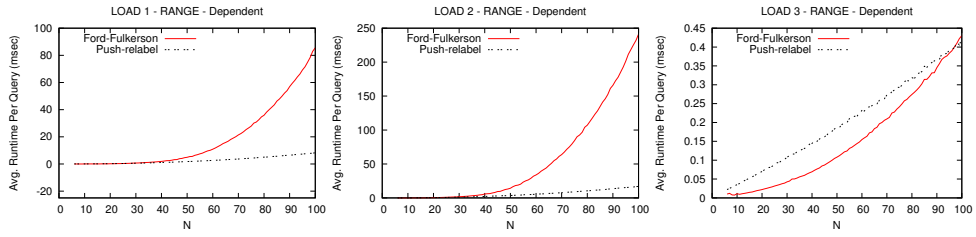


Figure 11: Running time, Range Queries, Dependent

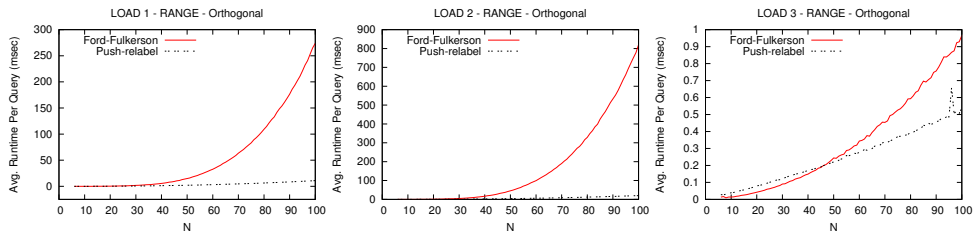


Figure 12: Running time, Range Queries, Orthogonal