Distance Coefficient Analysis: Bit Reverse
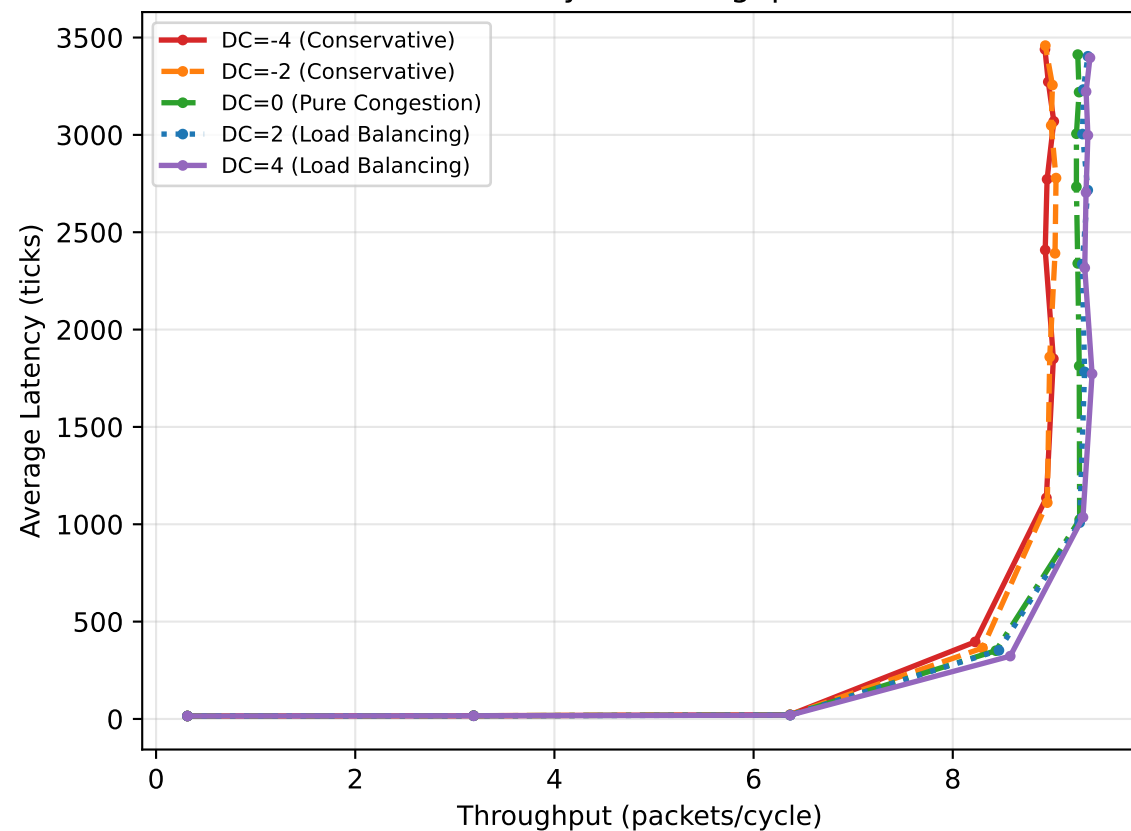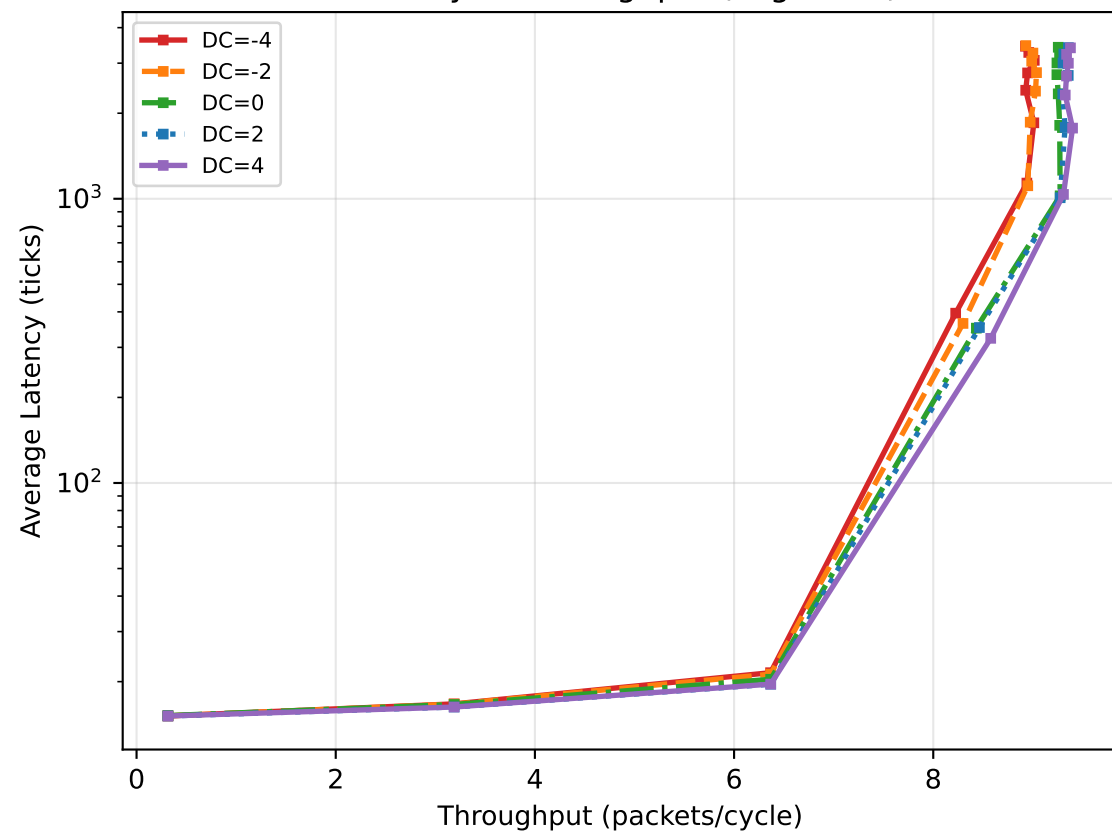**Impact of Distance Preference in Adaptive Routing**
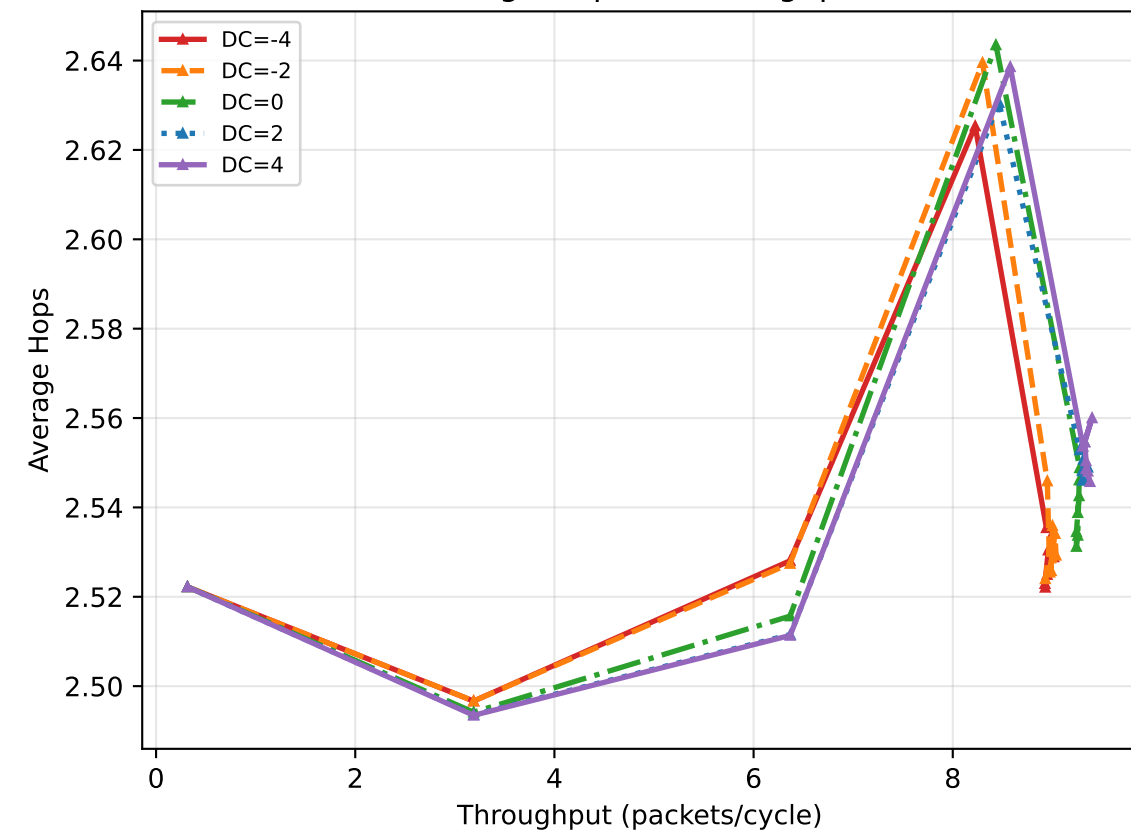
Latency vs Throughput

DC=-4 (Conservative)
DC=-2 (Conservative)
DC=0 (Pure Congestion)
DC=2 (Load Balancing)
DC=4 (Load Balancing)

Average Latency (ticks)
Throughput (packets/cycle)

Latency vs Throughput (Log Scale)

DC=-4
DC=-2
DC=0
DC=2
DC=4

Average Latency (ticks)
Throughput (packets/cycle)

Average Hops vs Throughput

DC=-4
DC=-2
DC=0
DC=2
DC=4

Average Hops
Throughput (packets/cycle)

Throughput vs Injection Rate

DC=-4
DC=-2
DC=0
DC=2
DC=4

Throughput (packets/cycle)
Injection Rate