

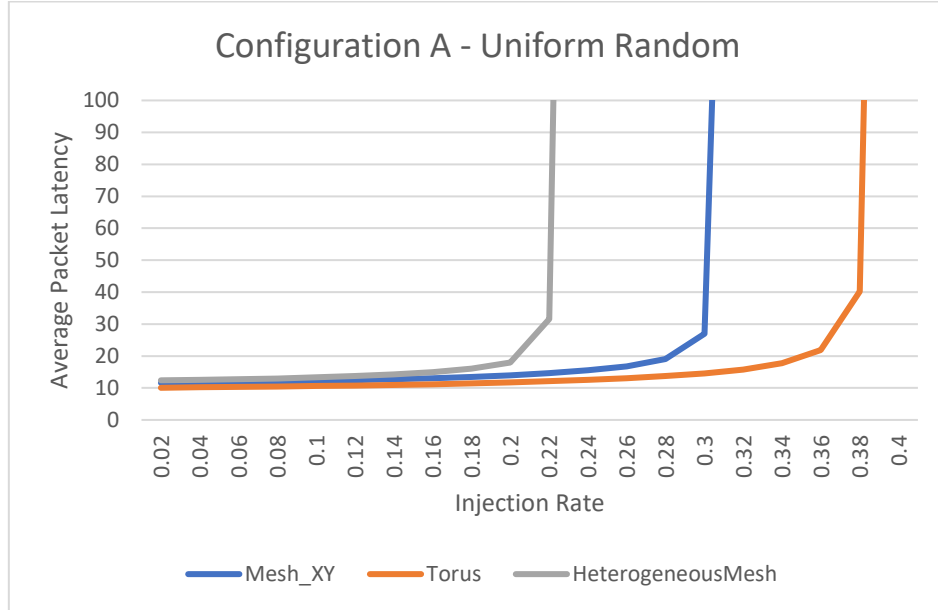
ECE 6115: Interconnection Networks

Lab 2 – Report

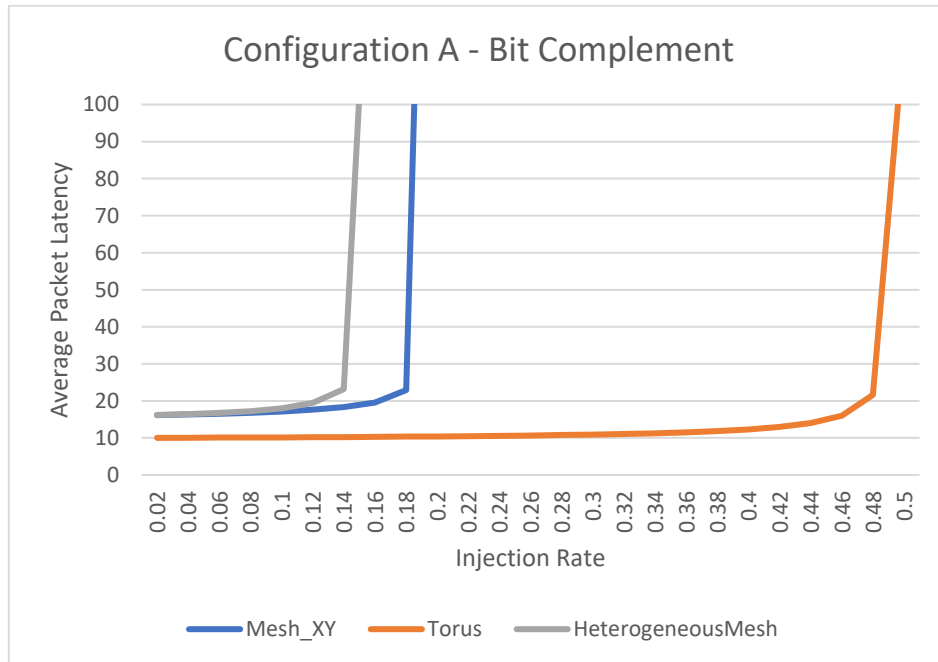
Configuration A – Equal link widths

Assumes all topologies have a link width of 32b.

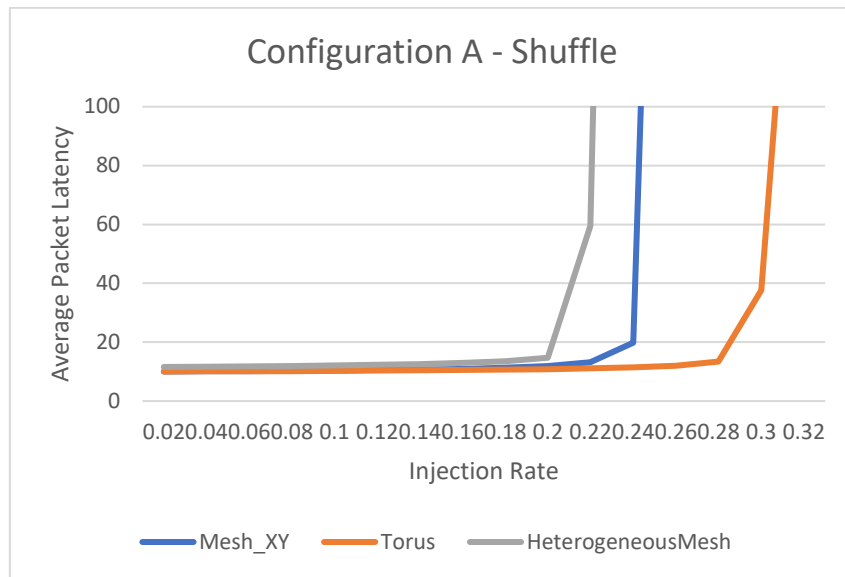
Graph for Uniform Random Traffic Pattern



Graph for Bit Complement Traffic Pattern



Graph for Shuffle Traffic Pattern

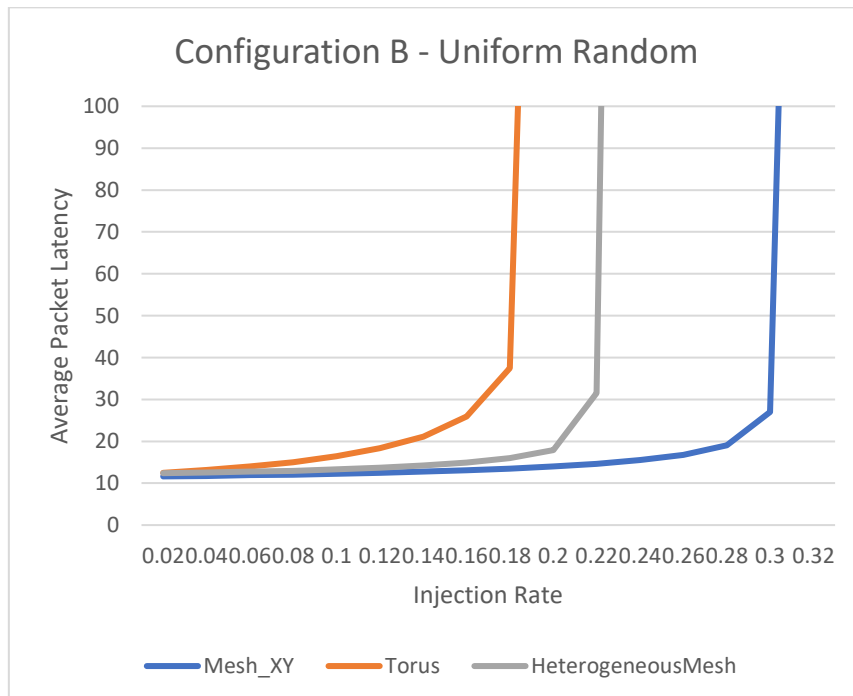


Configuration B – Equal Bisection Bandwidth

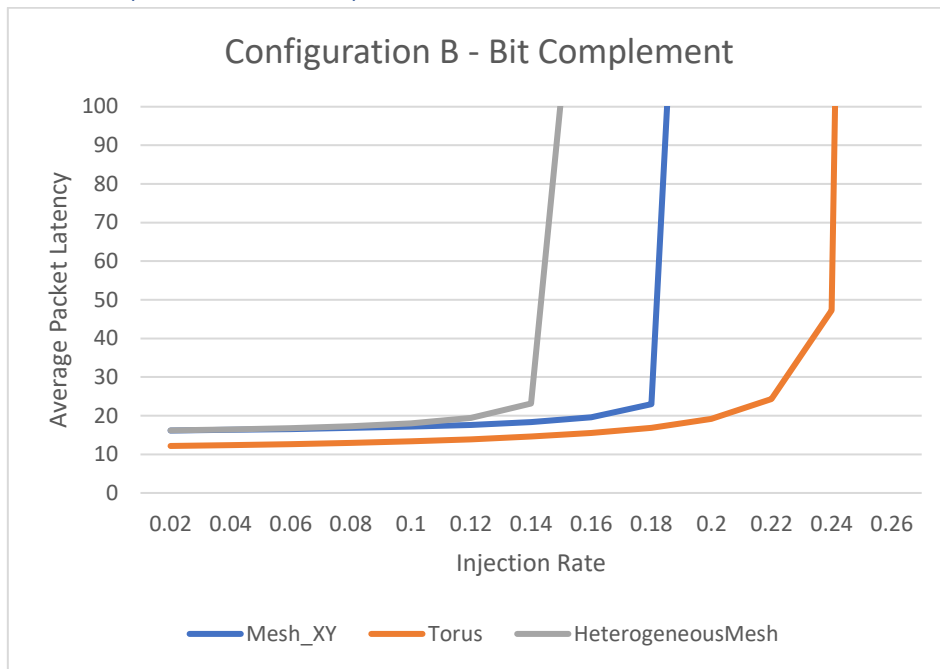
Network Topology	Link Width
Mesh_XY	32b
Torus	16b
Heterogeneous Mesh	32b

The link width affects the serialization delay as the division of packet needs to change based on link width

Graph for Uniform Random Traffic Pattern



Graph for Bit Complement Traffic pattern



Graph for Shuffle Traffic Pattern

