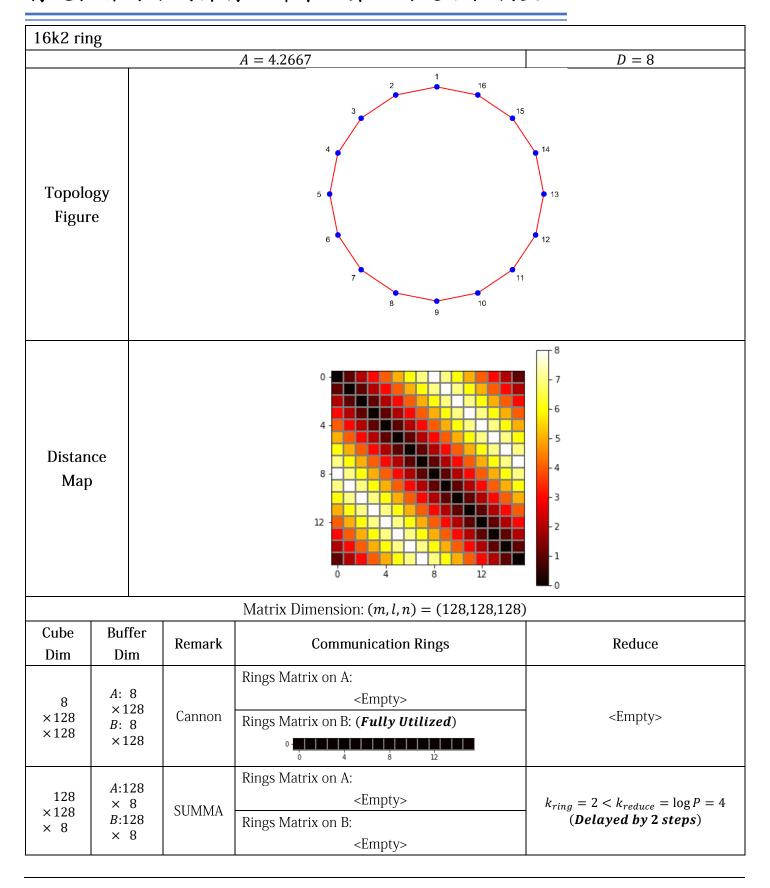
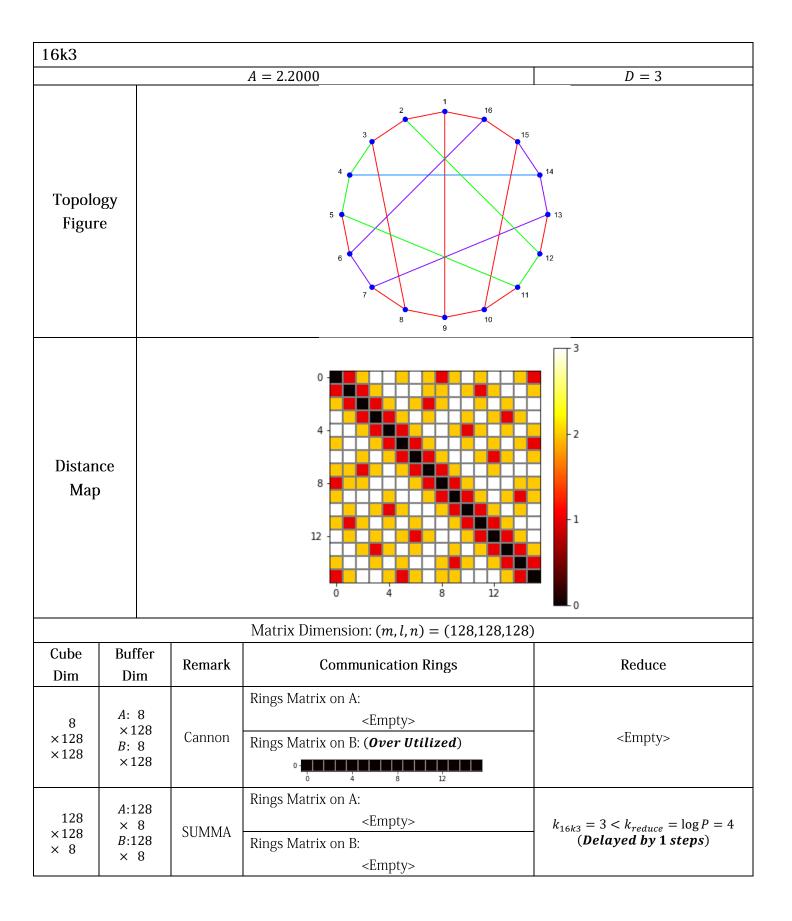
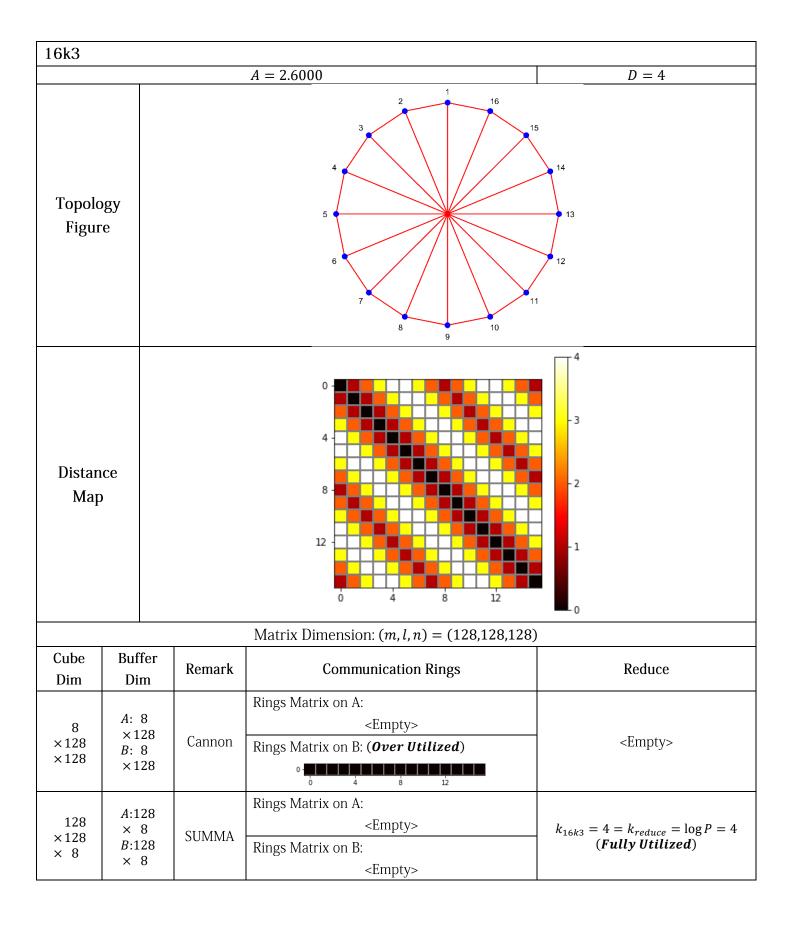
特定拓扑对不同并行矩阵乘法算法的适配性调查



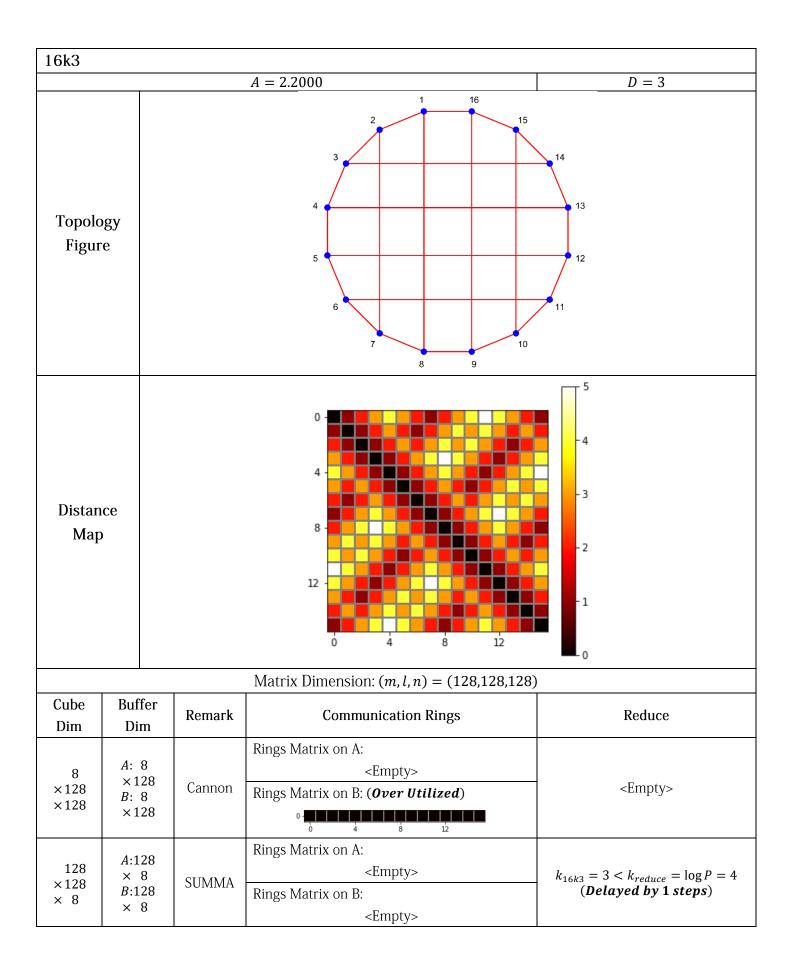
64 ×64 ×32	A:64 ×16 B:64 ×16	Fox 1	Rings Matrix on A: O A B Rings Matrix on B: (Fully Utilized)	$k_{ring} = 2 = k_{reduce} = \log A_z = 2$ (Fully Utilized)
32 ×64 ×64	A:32 ×32 B:64 ×16	Fox 2	Rings Matrix on A: (Fully Utilized) Output A B 12 Rings Matrix on B: (Delayed by 2 steps)	$k_{ring} = 2 > k_{reduce} = \log A_z = 1$ (Over Utilized)
32 ×64 ×64	A:32 ×32 B:64 ×32	Fox 2 (2x buf On B)	Rings Matrix on A: (Fully Utilized) A B 12 Rings Matrix on B: (Fully Utilized)	$k_{ring} = 2 > k_{reduce} = \log A_z = 1$ (Over Utilized)



64 ×64 ×32	A:64 ×16 B:64 ×16	Fox 1	Rings Matrix on A: O O A B Rings Matrix on B: (Over Utilized)	$k_{16k3}=3>k_{reduce}=\log A_z=2$ (Over Utilized)
32 ×64 ×64	A:32 ×32 B:64 ×16	Fox 2	Rings Matrix on A: (Over Utilized) Outside the second of	$k_{16k3} = 3 > k_{reduce} = \log A_z = 1$ (Over Utilized)
32 ×64 ×64	A:32 ×32 B:64 ×32	Fox 2 (2x buf On B)	Rings Matrix on A: (Over Utilized) Outside the second of	$k_{16k3} = 3 > k_{reduce} = \log A_z = 1$ (Over Utilized)



64 ×64 ×32	A:64 ×16 B:64 ×16	Fox 1	Rings Matrix on A: Rings Matrix on B: (Over Utilized)	$k_{16k3} = 3 > k_{reduce} = \log A_z = 2$ $(\textbf{Over Utilized})$
32 ×64 ×64	A:32 ×32 B:64 ×16	Fox 2	Rings Matrix on A: (Over Utilized) Outside the second of	$k_{16k3} = 3 > k_{reduce} = \log A_z = 1$ (Over Utilized)
32 ×64 ×64	A:32 ×32 B:64 ×32	Fox 2 (2x buf On B)	Rings Matrix on A: (Over Utilized) Outside the second of	$k_{16k3} = 3 > k_{reduce} = \log A_z = 1$ (Over Utilized)



64 ×64 ×32	A:64 ×16 B:64 ×16	Fox 1	Rings Matrix on A: O A B Rings Matrix on B: (Over Utilized)	$k_{16k3}=3>k_{reduce}=\log A_z=2$ (Over Utilized)
32 ×64 ×64	A:32 ×32 B:64 ×16	Fox 2	Rings Matrix on A: (Over Utilized) Output Rings Matrix on B: (Delayed by 2 steps)	$k_{16k3} = 3 > k_{reduce} = \log A_z = 1$ (Over Utilized)
32 ×64 ×64	A:32 ×32 B:64 ×32	Fox 2 (2x buf On B)	Rings Matrix on A: (Over Utilized) Outside the second of	$k_{16k3} = 3 > k_{reduce} = \log A_z = 1$ (Over Utilized)