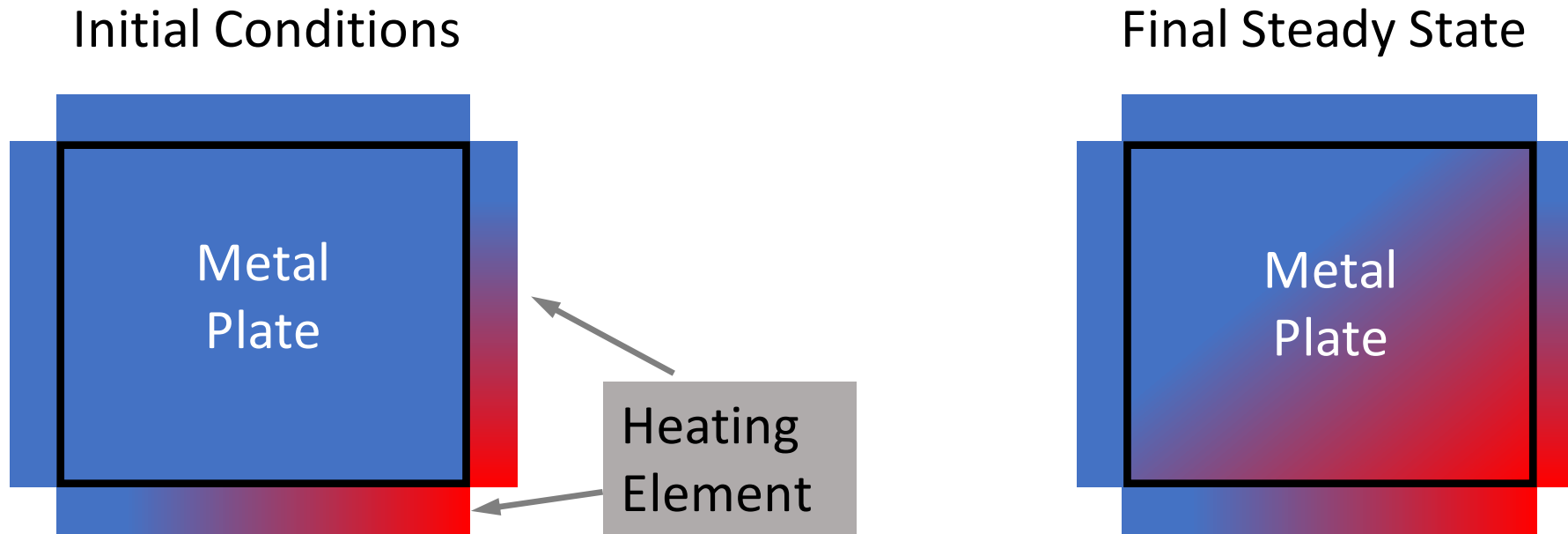


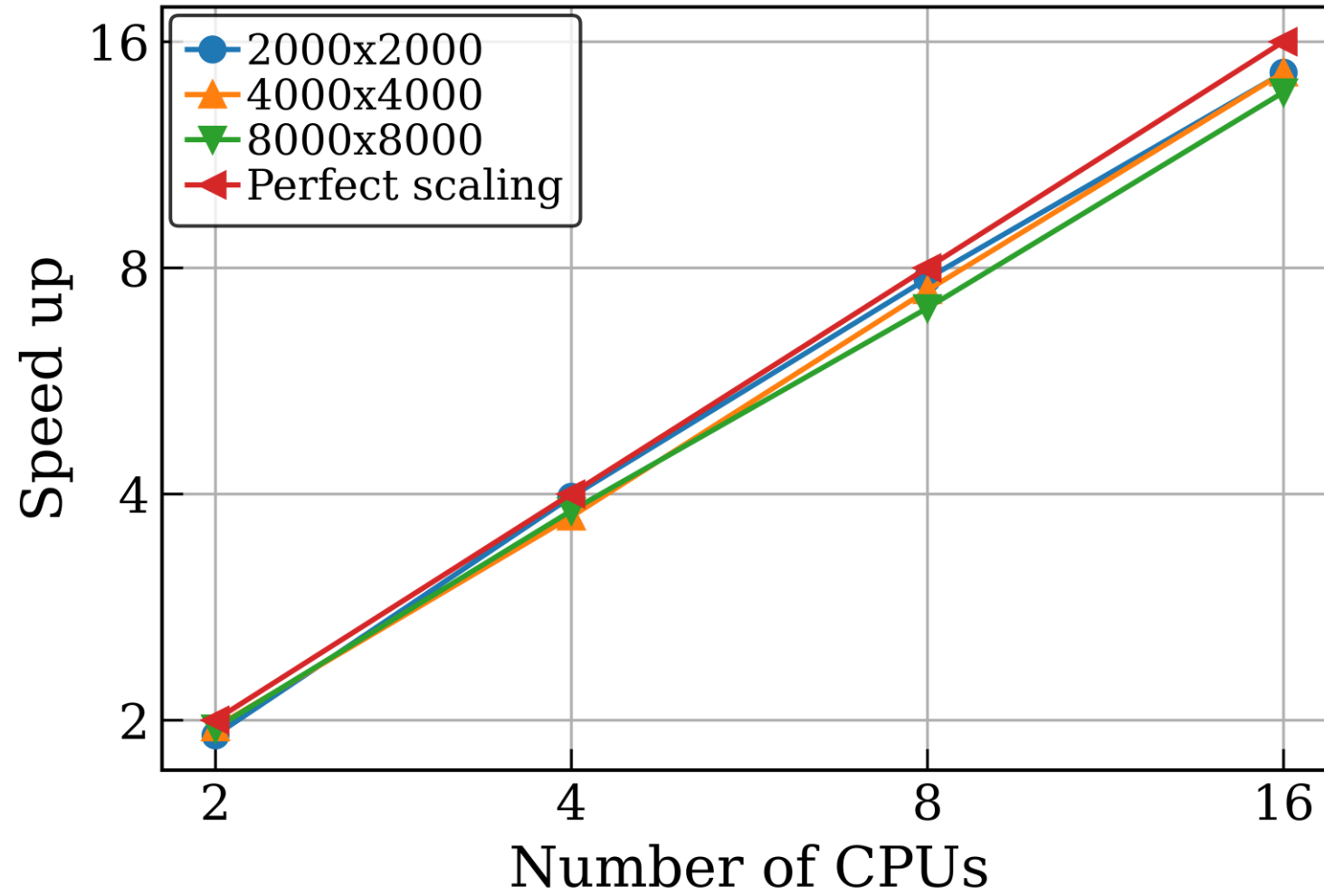
A Heated Metal Plate



Steady state heat distribution is governed by Laplace equation:

$$\nabla^2 T = 0$$

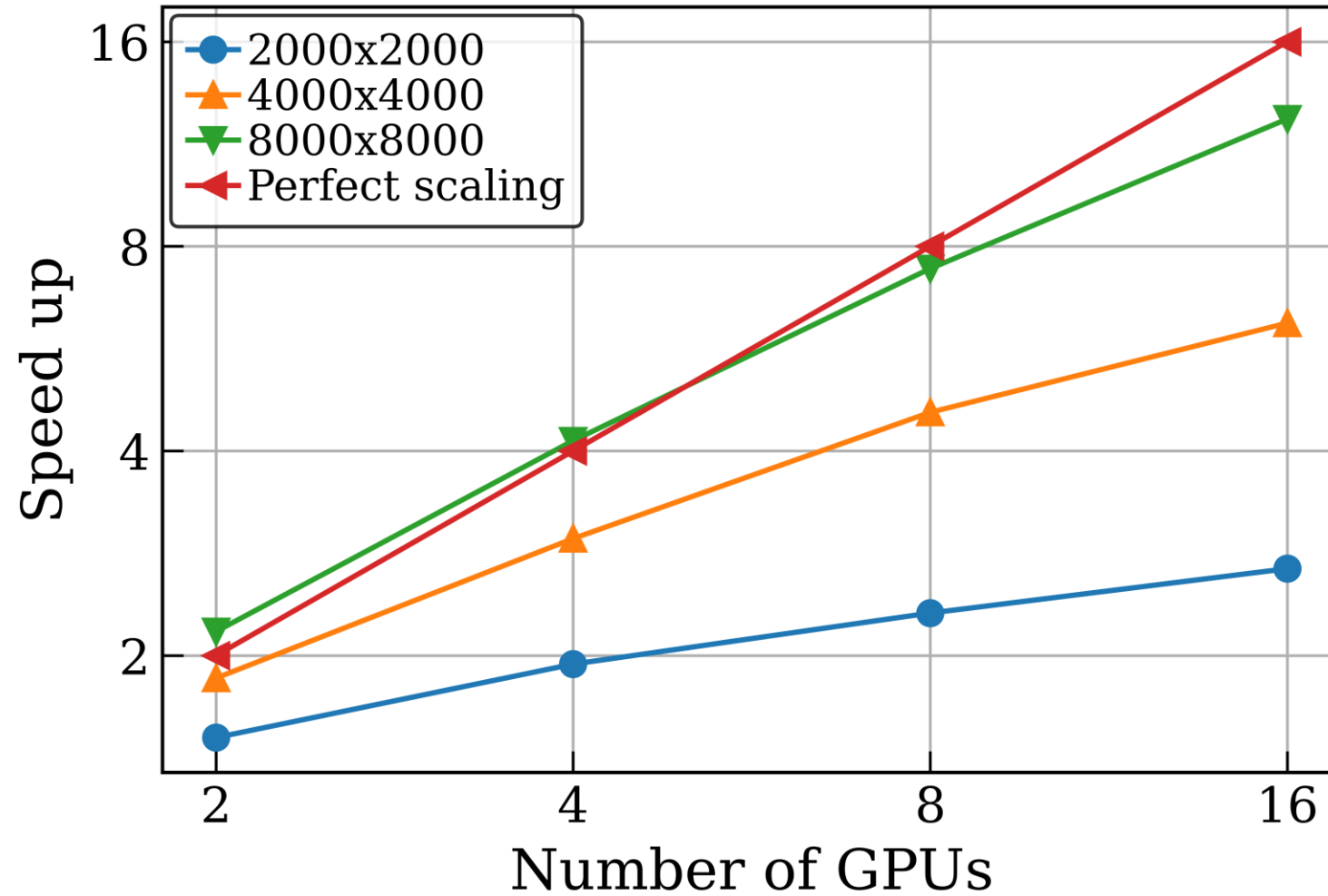
Strong scaling of 2D Jacobi solver on Power9
(Darwin power9 partition)



CPU: Power9

Build info: cmake/3.19.2, gcc/9.4.0,
openmpi/3.1.6

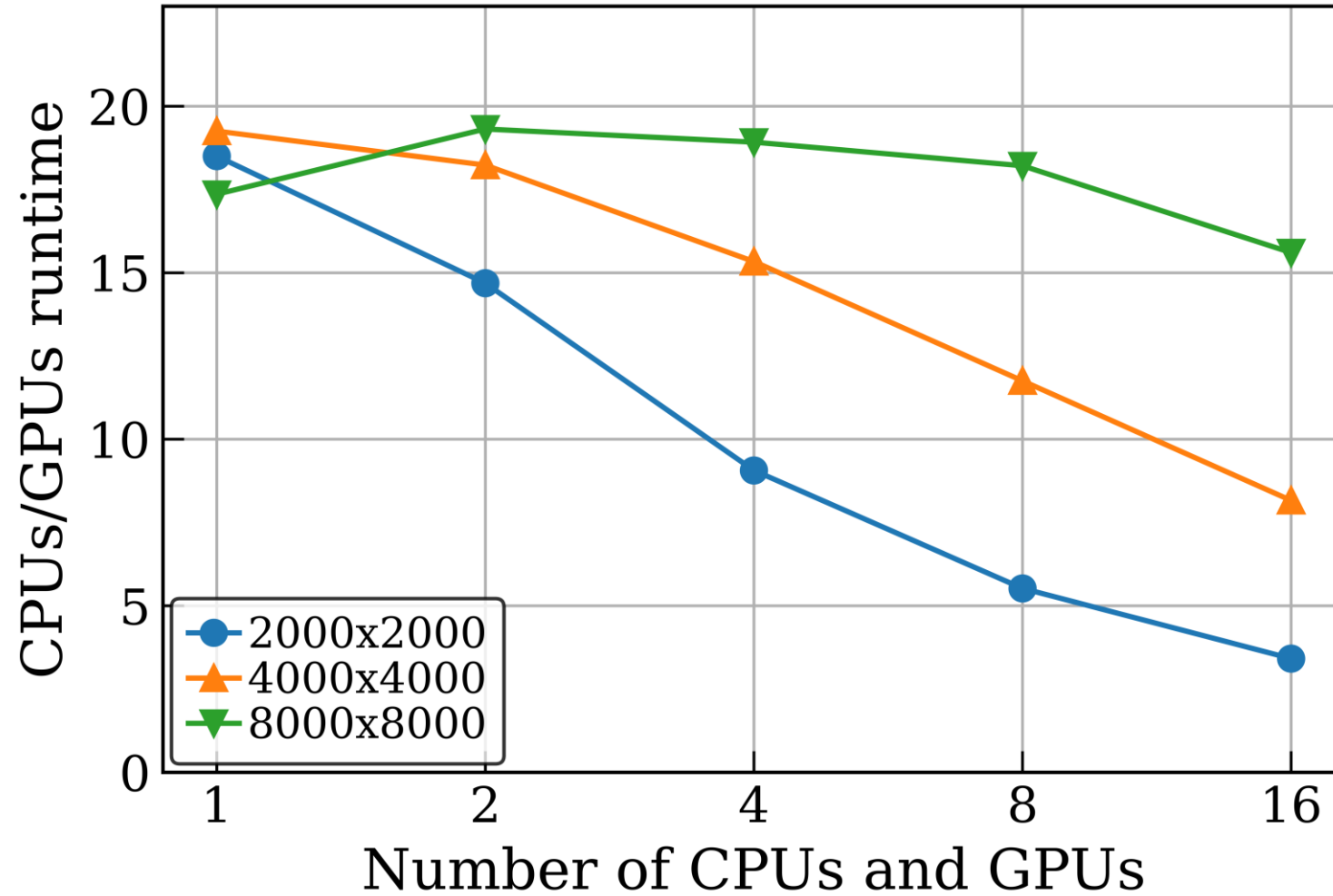
Strong scaling of 2D Jacobi solver on V100
(Darwin power9 partition)



GPU: NVIDIA V100

Build info: cmake/3.19.2, gcc/9.4.0,
openmpi/3.1.6, cuda/11.4.0

Ratio of CPU to GPU runtime for
the same number of CPUs and GPUs



CPU: Power9

GPU: NVIDIA V100

Build info: cmake/3.19.2, gcc/9.4.0,
openmpi/3.1.6, cuda/11.4.0