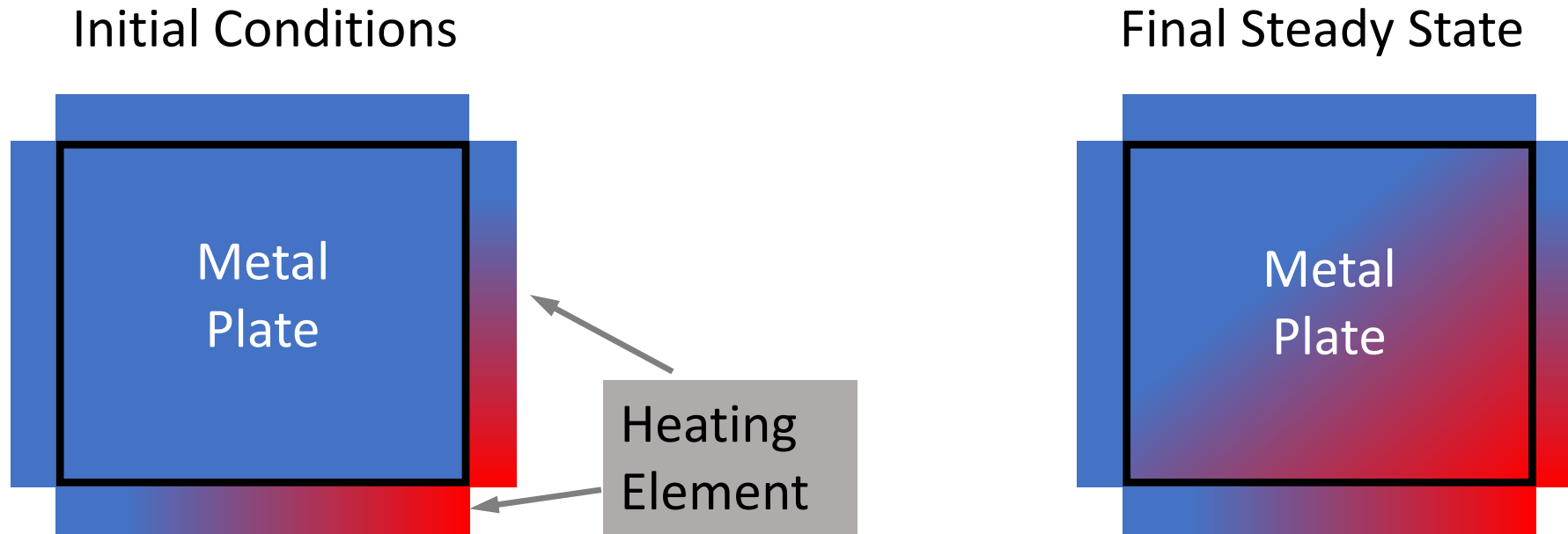


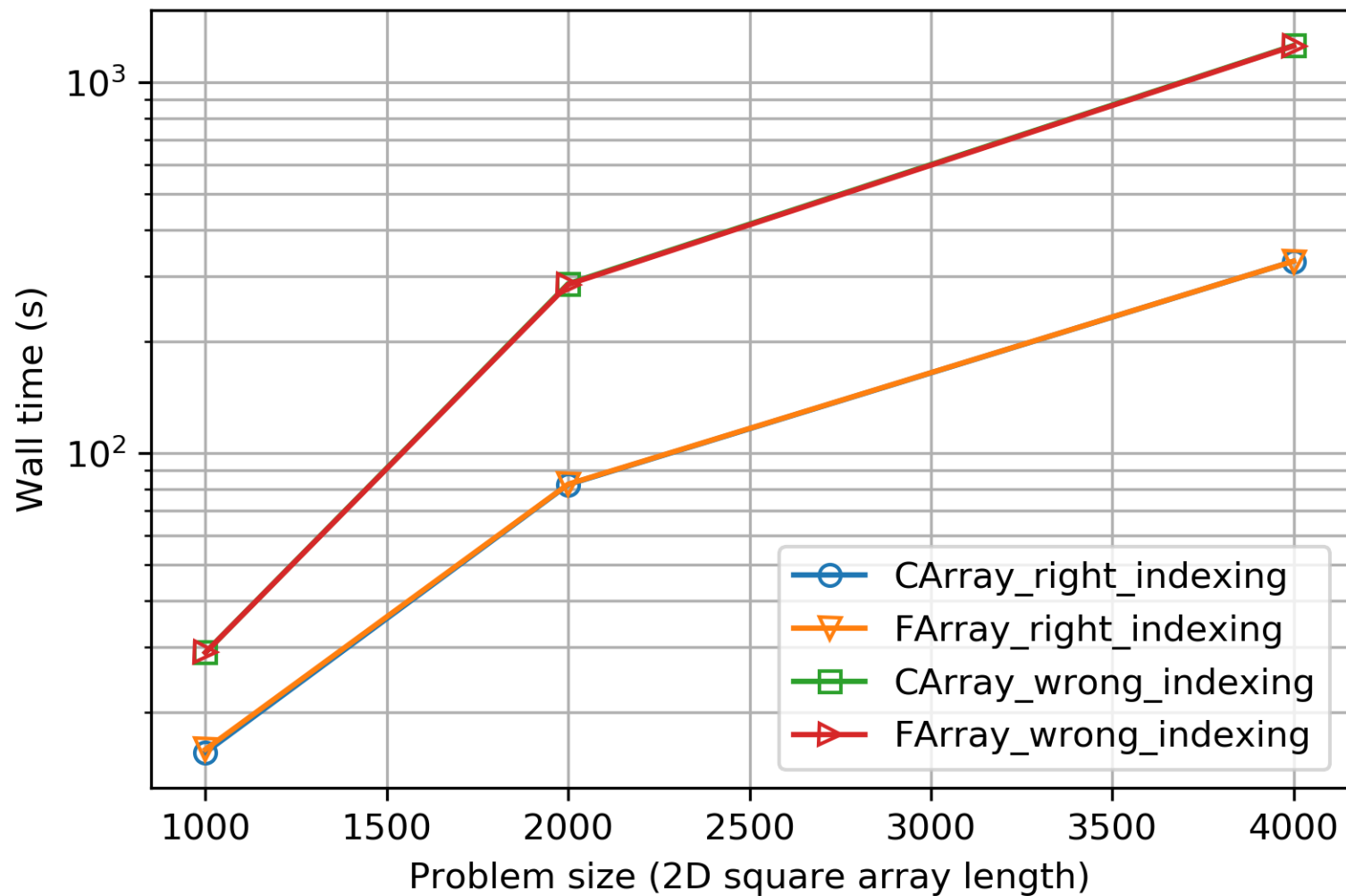
A Heated Metal Plate



Steady state heat distribution is governed by Laplace equation:

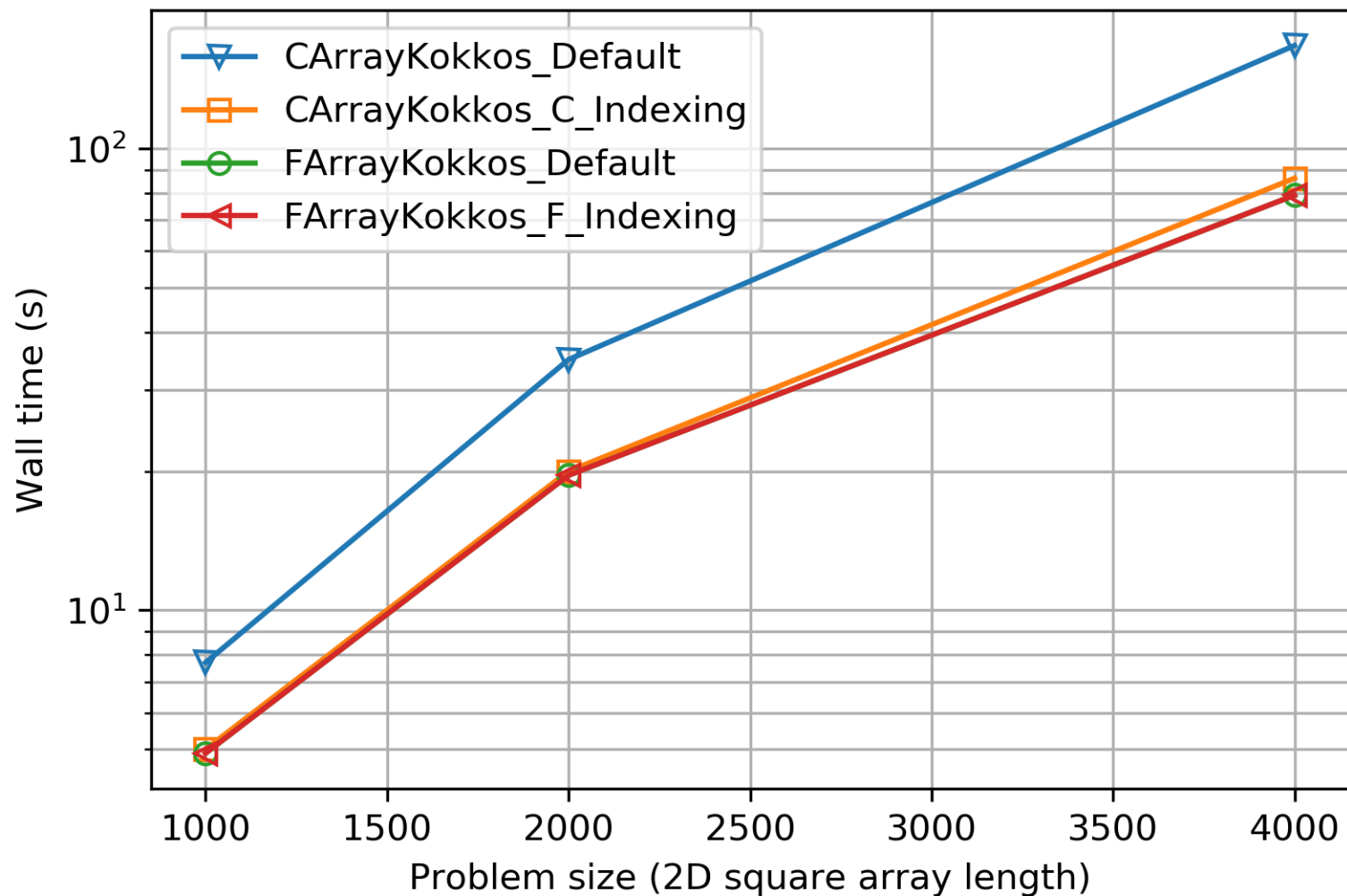
$$\nabla^2 T = 0$$

Effect of data layout and access pattern on
performance on 1 CPU



CPU: Intel(R) Xeon(R) CPU E5-2680 0 @ 2.70GHz
Compilers: gcc/10.2.0

Effect of kokkos loop ordering on performance on 1 GPU



GPU: Tesla K20m

Compilers: gcc/10.2.0, cuda/11.2.1