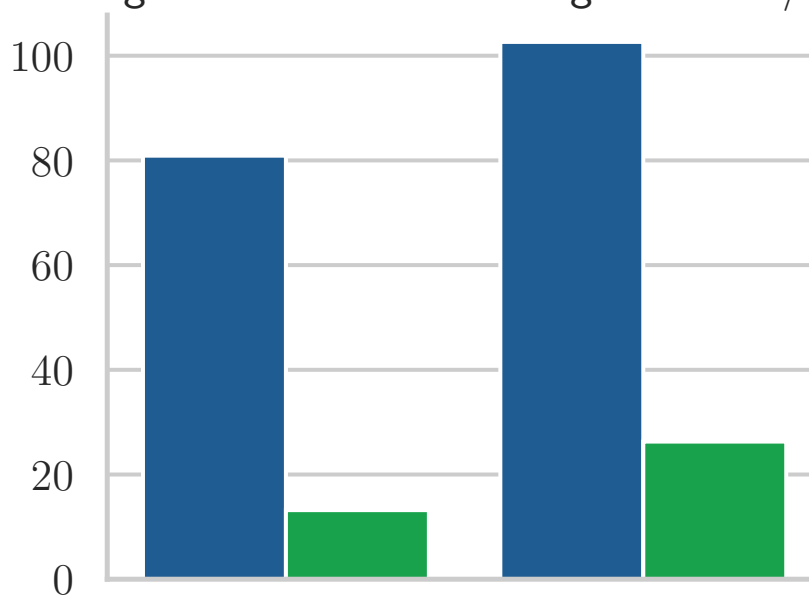
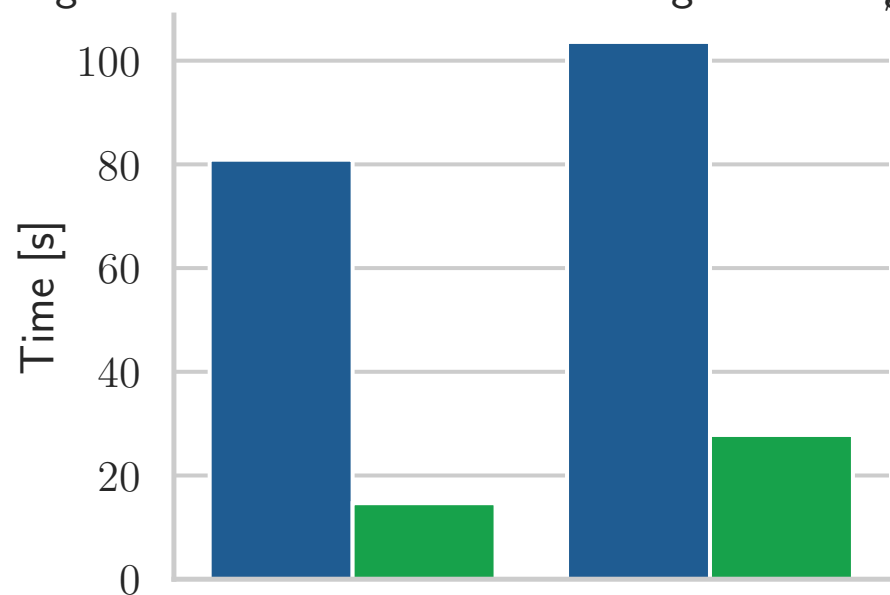


# Computation vs Communication by Rank Count

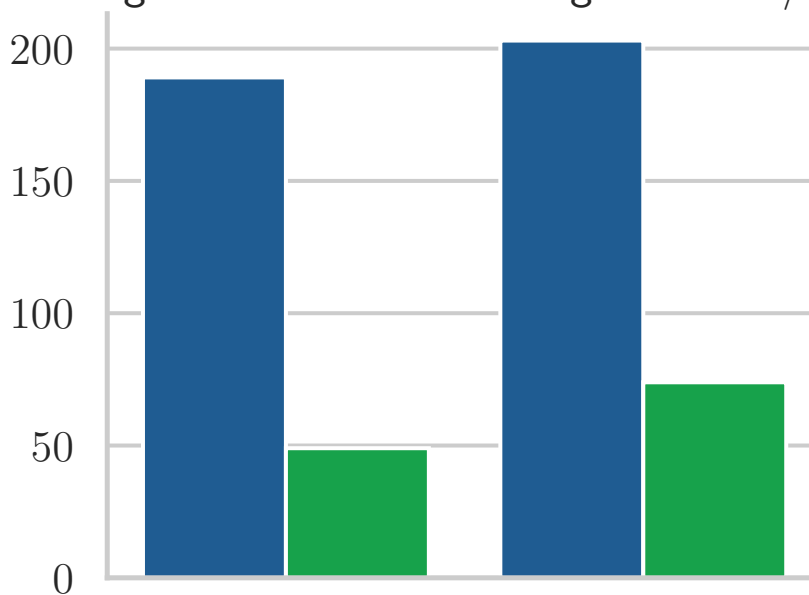
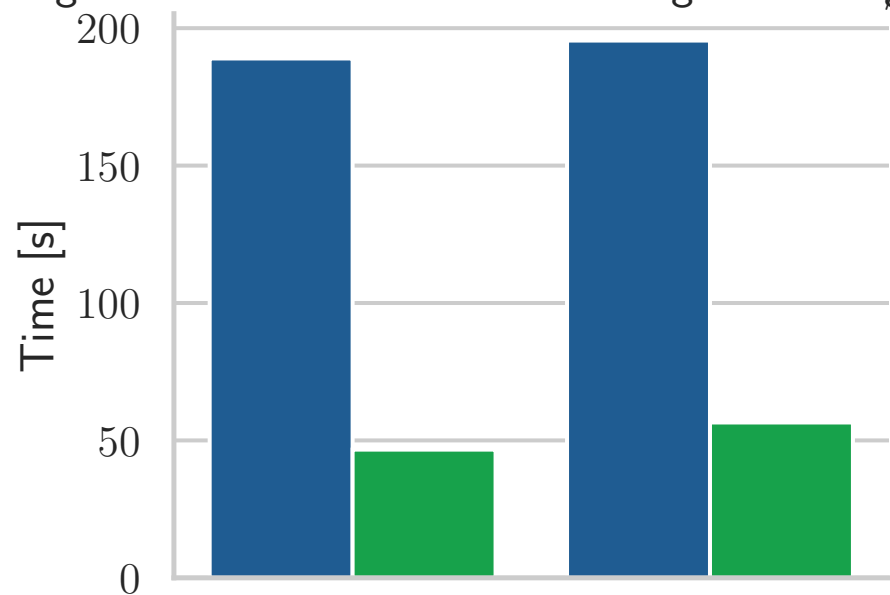
Image Size = 10000x10000 — Config = Static / blocking      Image Size = 10000x10000 — Config = Static / nonblocking



Metric

comp\_total  
comm\_total

Image Size = 20000x20000 — Config = Static / blocking      Image Size = 20000x20000 — Config = Static / nonblocking



20 30  
Number of MPI ranks

20 30  
Number of MPI ranks