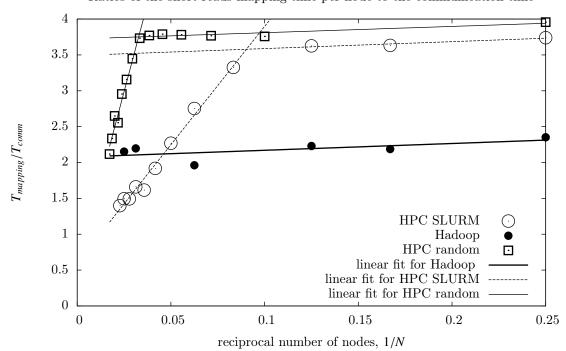
Ratios of the short reads mapping time per node to the communication time



Ratios of the mapping time  $T_{mapping}$  to the communication costs  $T_{comm}$  for HPC2 and Hadoop clusters for Dataset IV as a function of reciprocal cluster size 1/N. Two HPC scenarios are shown as "HPC SLURM" and "HPC random", which correspond to standard SLURM behaviour and a modified one, where nodes are being allocated from random racks. Linear fit done with the least-squares method.