Comparing mergesort with hybrid mergesort with insertion sort TypeArray Ascending Descending Random Structured Integers Algorithm mergesort mergesort\_combined

0.175

0.150

0.125

0.100

0.075

0.050

0.025

Runtime/N (µs)

 $2^{8} 2^{9} 2^{10} 2^{11} 2^{12} 2^{13} 2^{14} 2^{15} 2^{16} 2^{17} 2^{18} 2^{19} 2^{20} 2^{21} 2^{22} 2^{23} 2^{24} 2^{25} 2^{26} 2^{27} 2^{28} 2^{29} 2^{30}$ N Number of elements  $2^{n}$