

Classical to Correlated Methods

... MM DFT HF MP2 CCSD CCSD(T) ...

$O(N)$ $\xrightarrow{\text{Scaling}}$ $O(N^7)$

~ 100 kcal $\xrightarrow{\text{Accuracy}}$ ~ 0.1 kcal

$> 10^6$ atoms $\xrightarrow{\text{Size}}$ ~ 20 atoms