Parallel scalability

Strong and weak scaling/speedup

Strong scalability

work

cputime

Fixed problem size
increase # of processor

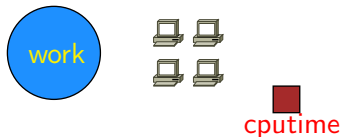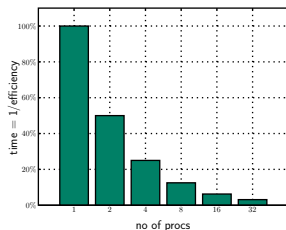## Weak scalability

work

cputime

Parallel scalability
Strong and weak scaling/speedup

Strong scalability

Weak scalability

Fixed problem size
increase # of processor

Parallel scalability

Strong and weak scaling/speedup

Strong scalability

work

cputime
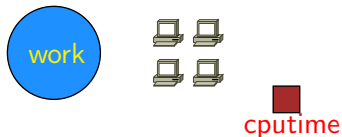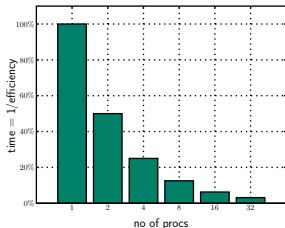
Weak scalability

work

cputime
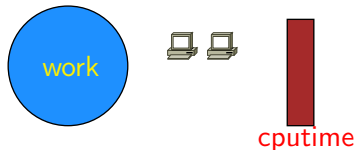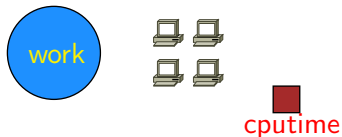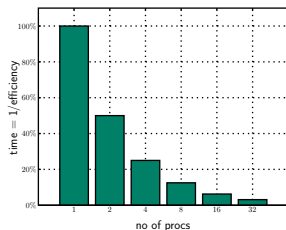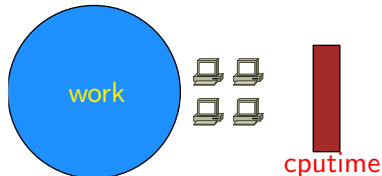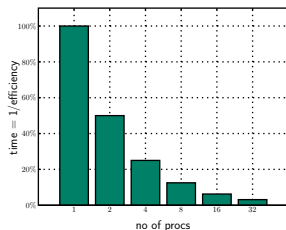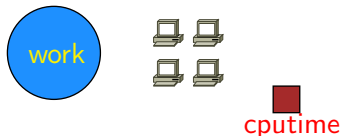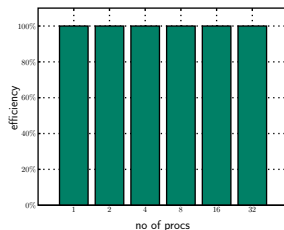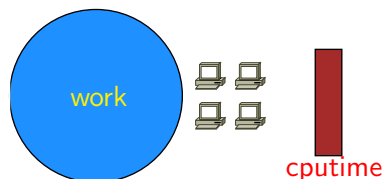

Fixed problem size
increase # of processor

Parallel scalability

Strong and weak scaling/speedup

Strong scalability

Weak scalability

Fixed problem size
increase # of processor

Increase problem size s.t.
fixed prob. size per processor