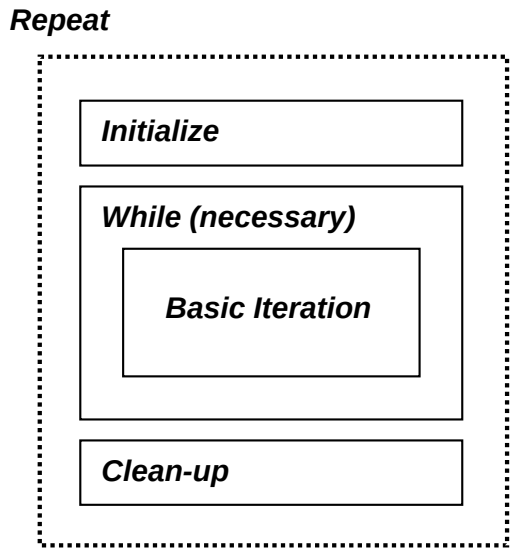
Typical CM-2 Monte-Carlo Simulation

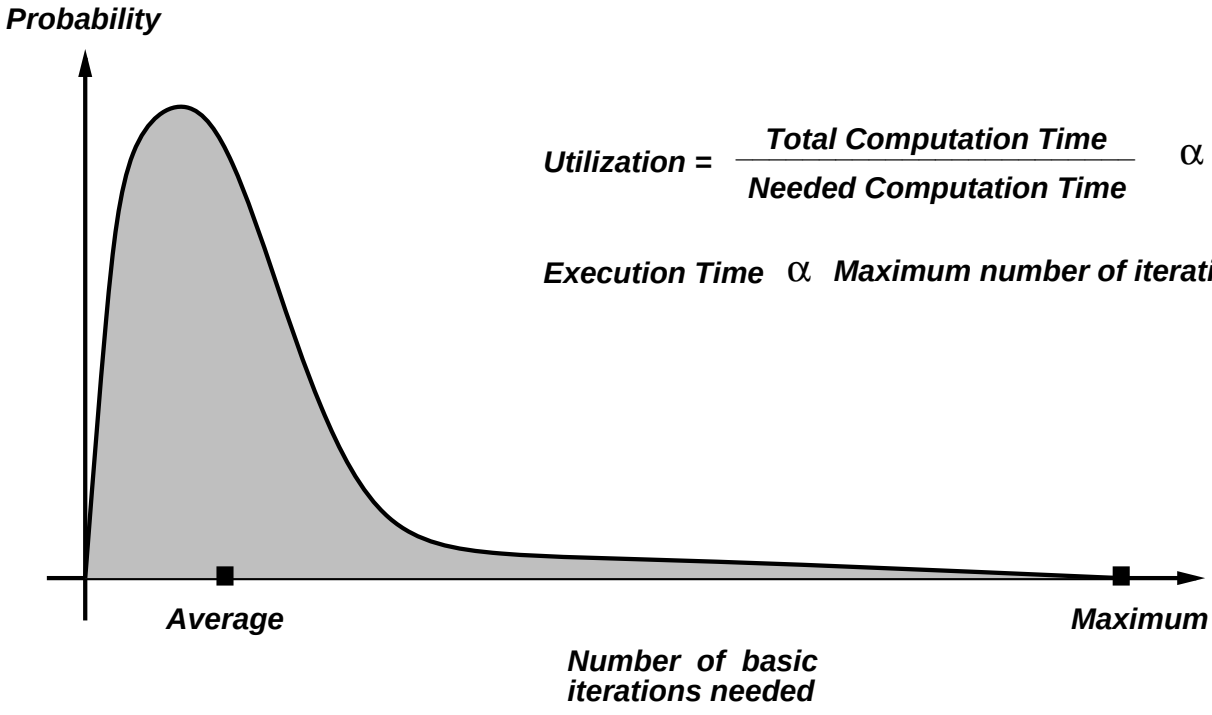
```
While (More experiments needed)

  Initialize and activate all PEs ;

  While (Some PEs are still active)
    Perform an iteration in parallel ;
    If (Deflected/Reflected/Absorbed)
       Record state ;
       Deactivate ;

  Collect statistics ;
```





$$\text{Utilization} = \frac{\text{Total Computation Time}}{\text{Needed Computation Time}} \;\alpha\; \frac{1}{\text{Range}}$$

$$\text{Execution Time} \;\alpha\; \text{Maximum number of iteration}$$