

Synchronous Applications

Performance Model

T_{new} = Execution time of the **slowest** task



Asynchronous Applications

Performance Model

T_{new} = The **average** of the execution time of all tasks

Energy Consumption Model

$E = \sum \text{Dynamic-energy}(T_{cp_i}) + \sum \text{Static-energy}(T_{max})$



Energy Consumption Model

$E = \sum \text{Dynamic-energy}(T_{cp_i}) + \sum \text{Static-energy}(T_{cp_i})$