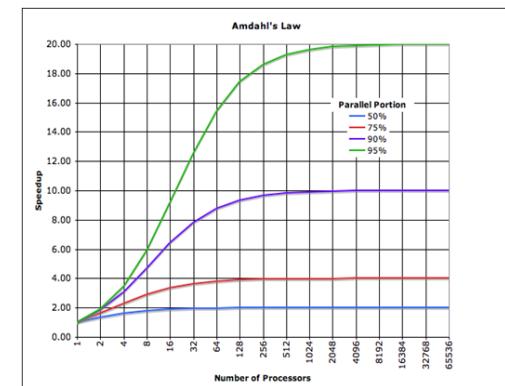
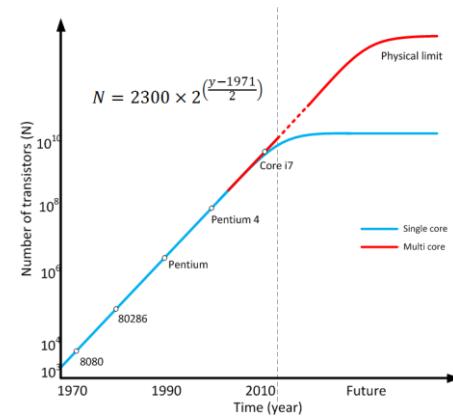


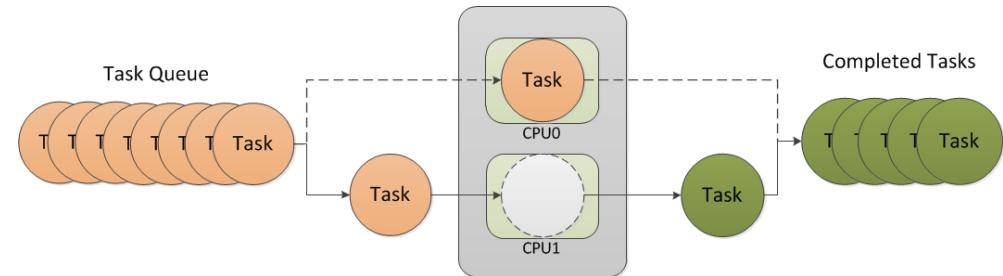
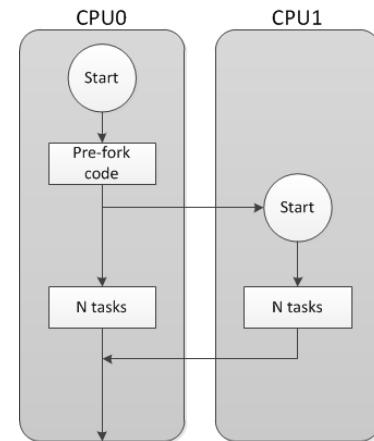
MC4ES

- Going Multicore for Embedded Software
IWT Tetra 110174
- Problem Statement
 - Moore's Law
 - Amdahl's Law
- Key points
 - Parallel Software Design Patterns
 - Testing
 - Implementation
 - Tooling



Design Patterns

- Thread Pool pattern
- Fork/Join pattern
- Producer/Consumer
- Loop Parallelism
- Pipelining
- Planar pattern
- Etc.



Experiments

- Trial Division Algorithm
 - Fork/Join pattern
 - Thread Pool pattern
- Fast Fourier Transform
 - Radix-2 Cooley-Tukey Algorithm
 - Thread Pool pattern
 - Producer/Consumer
 - Task Decomposition

