







## Analysis Methods Static analysis Symbolic, mathematical models for avg/best/worst case Worst-case execution time analysis (WCET) of single task Real-time scheduling of single processor Analytical performance models of computer systems Probabilistic analysis Statistical models, distributions for "average" case Queuing theory for computer systems

## • Deterministic dynamic analysis

- Min-plus/max-plus algebra, upper/lower bounds over time
- Network calculus, real-time calculus
- > Modular Performance Analysis (MPA) of parallel systems

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EE382N.23: Embedded Sys Dsgn/Modeling, Lecture 11















































































