

Introduction to SimpleScalar

(Based on SimpleScalar Tutorial)

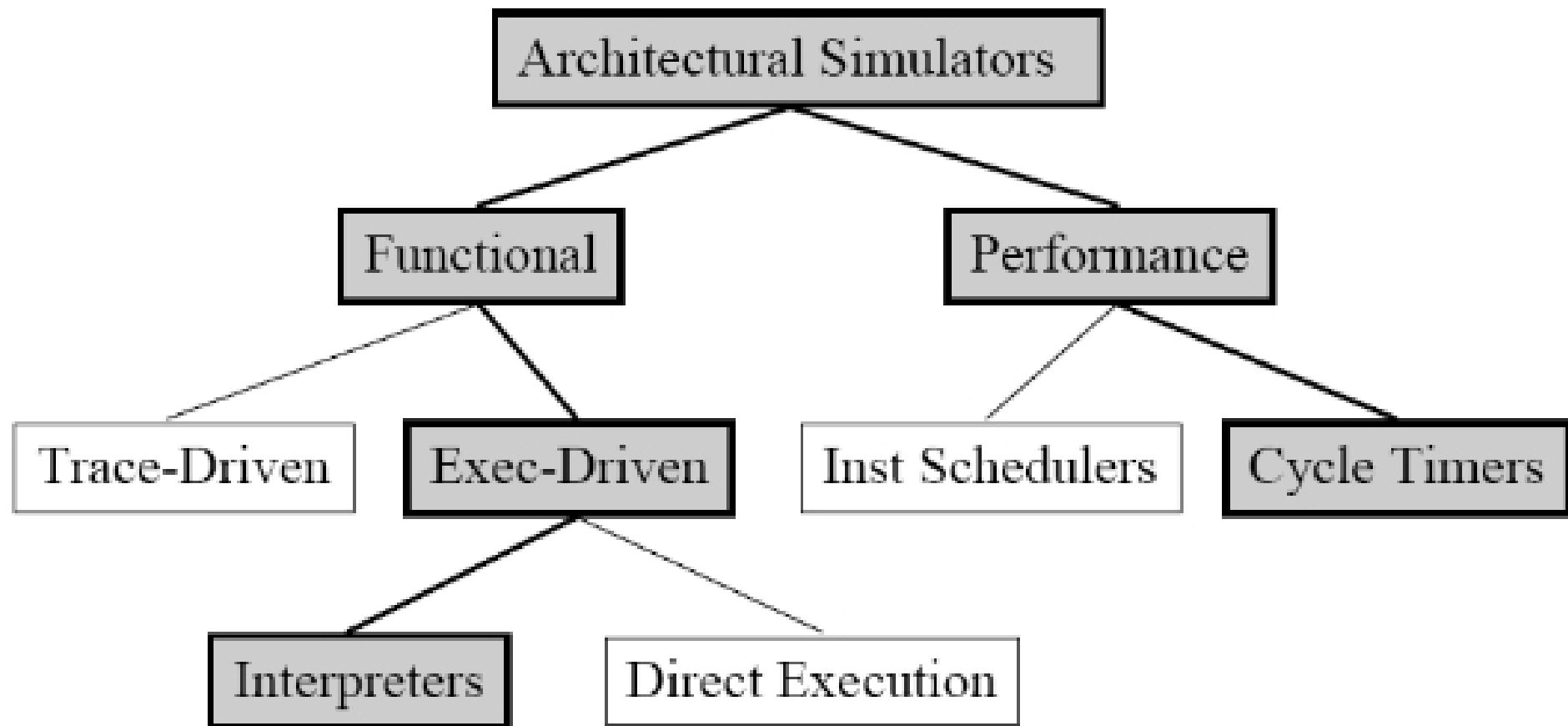
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Overview

- What is an architectural simulator?
 - a tool that reproduces the behavior of a computing device
- Why we use a simulator?
 - Leverage a faster, more flexible software development cycle
 - Permit more design space exploration
 - Facilitates validation before H/W becomes available
 - Level of abstraction is tailored by design task
 - Possible to increase/improve system instrumentation
 - Usually less expensive than building a real system

A Taxonomy of Simulation Tools



Shaded tools are included in SimpleScalar Tool Set