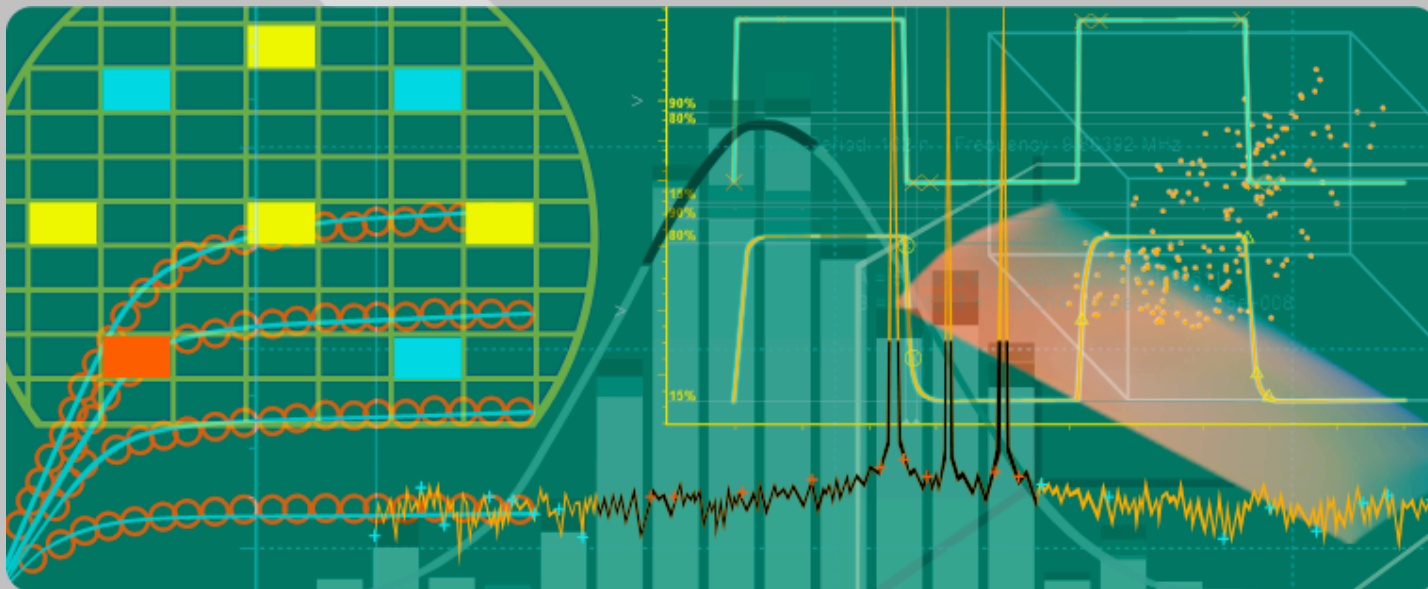
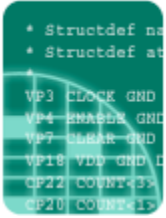


## SmartSpice Multi Core Benchmarks



Silvaco Korea  
Spring 2006



# Computer/OS Specifications

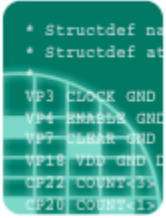
Swap Space: 2 Gb

## ■ 32 Bit O/S

- Pentium 4 2.0 GHz, RAM: 512Mb, O/S: RedHat 9.0

## ■ 64 Bit O/S

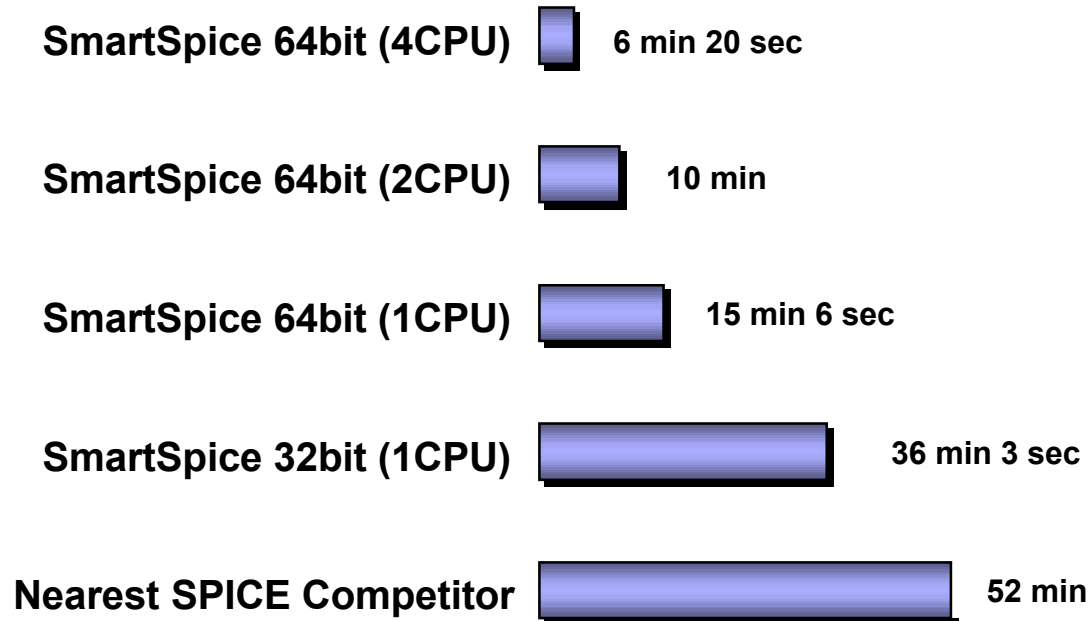
- AMD Opteron 2.4 GHz, 1 CPU, RAM: 1 Gb, O/S: RedHat Enterprise 64 bit
- AMD Opteron 2.4 GHz, 2 CPU, RAM: 8 Gb, O/S: RedHat Enterprise 64 bit
- AMD Opteron 2.4 GHz, 4 CPU, RAM: 8 Gb, O/S: RedHat Enterprise 64 bit

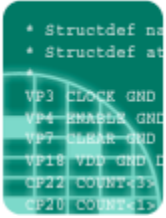


# PLL

## Application: Timing Controller for Notebook LCD Monitor

**Number of Transistors : Approximately 1100**

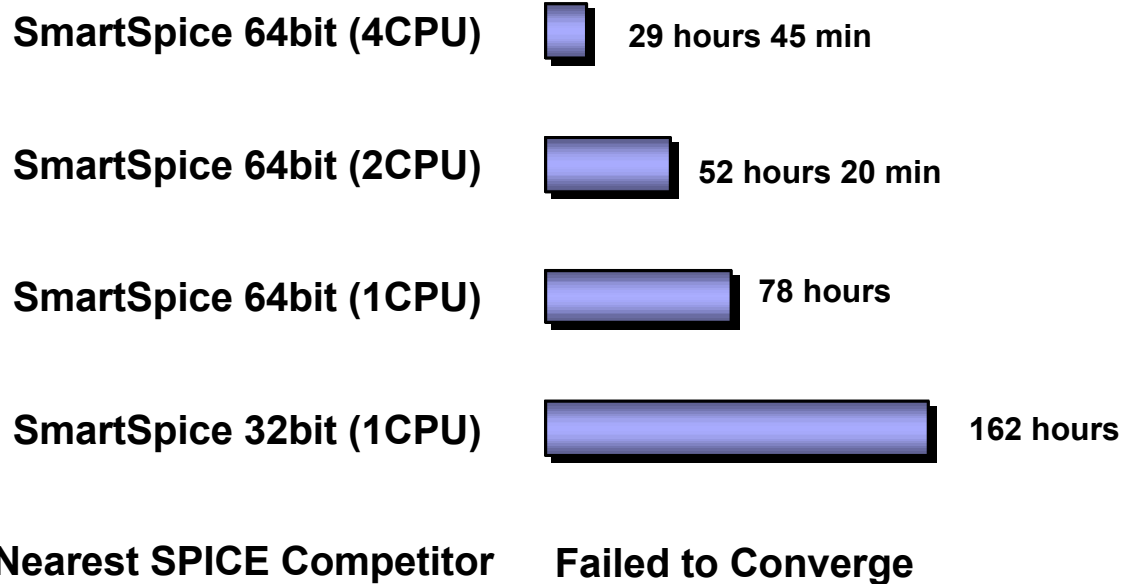


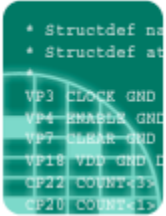


# DC-DC Converter

**Application:** Timing Controller for Notebook LCD Monitor

**Number of Transistors : Approximately 5300**

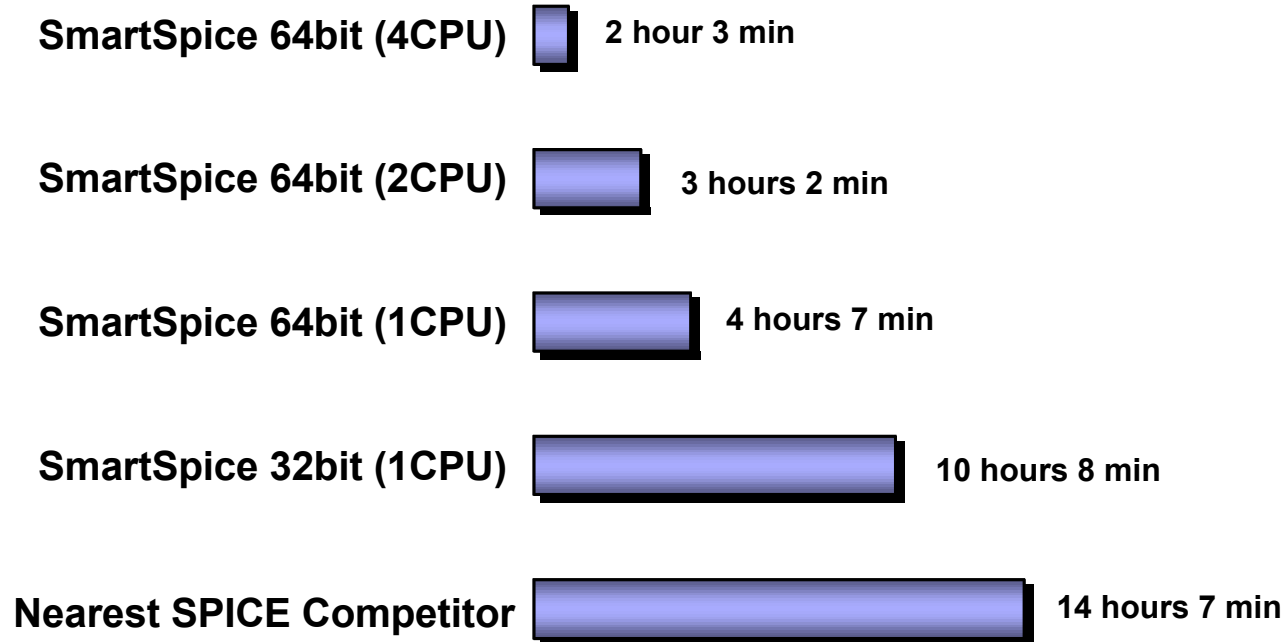


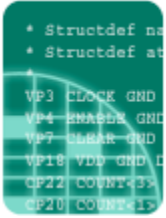


# 10 Bit ADC

## Application: Image Sensor

Number of Transistors : Approximately 12000

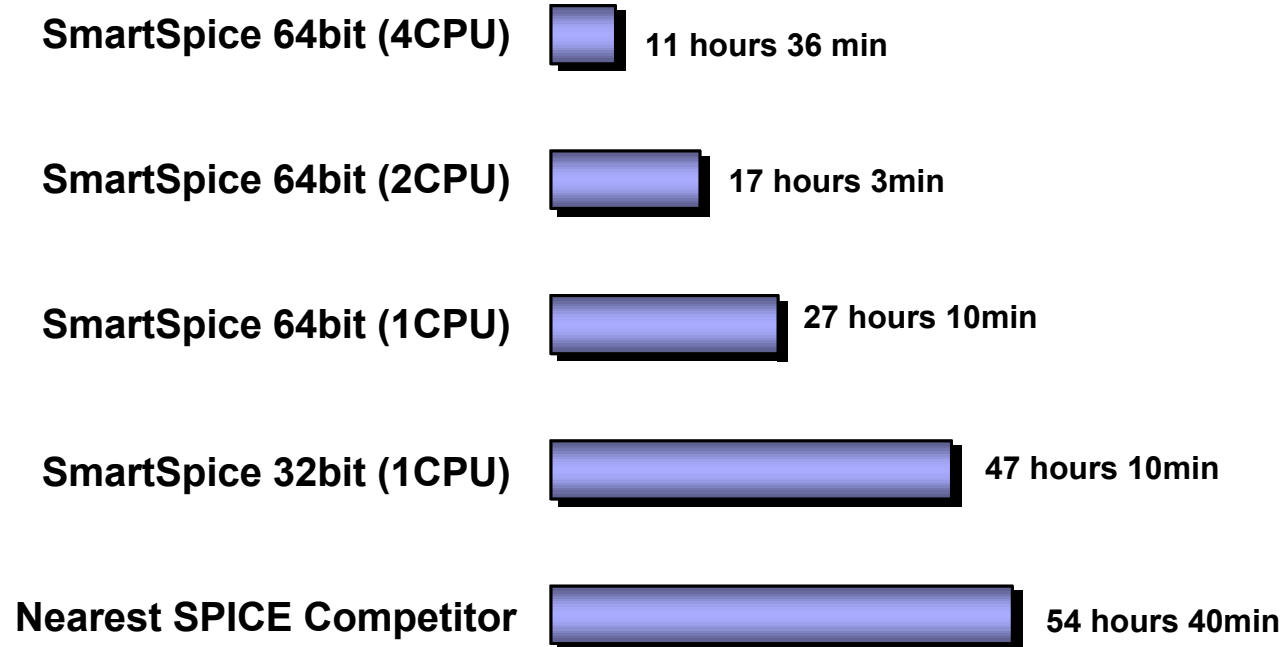


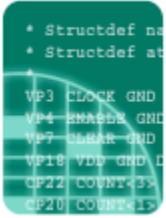


# 13 Bit ADC

## Application: Audio Voice Encoder

**Number of Transistors : Approximately 47000**





# AnalogTop

## Application: Mobile TFT 1-Chip Driver IC

**Number of Transistors : Approximately 500,000**

