

Power and Performance Analysis of PDA Architectures

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- Benchmarking
 - Common User Interface tasks
 - Task switching, window operations, handwriting recognition
 - JVM
 - Multimedia
 - MP3 audio, MPEG video
- Power Consumption Analysis
- Limits and Direction of Technology

Power and Performance Analysis of PDA Architectures

- Investigate various PDAs
 - Compaq Aero (MIPS), Compaq iPAQ (StrongArm), Casio Cassiopeia (MIPS), HP Jornada (SH3)
- Author benchmarks to be applied across PDAs
 - Windows CE applications
- Combine benchmark results with power analysis
 - Isolate code sequences which cause greatest power drain
 - Analyze CPU architecture and hypothesize cause
 - Identify possible technology weaknesses/limitations