



LISHA 5-minute-presentation

Real-energy: a new framework and a case study to evaluate power-aware real-time scheduling algorithms

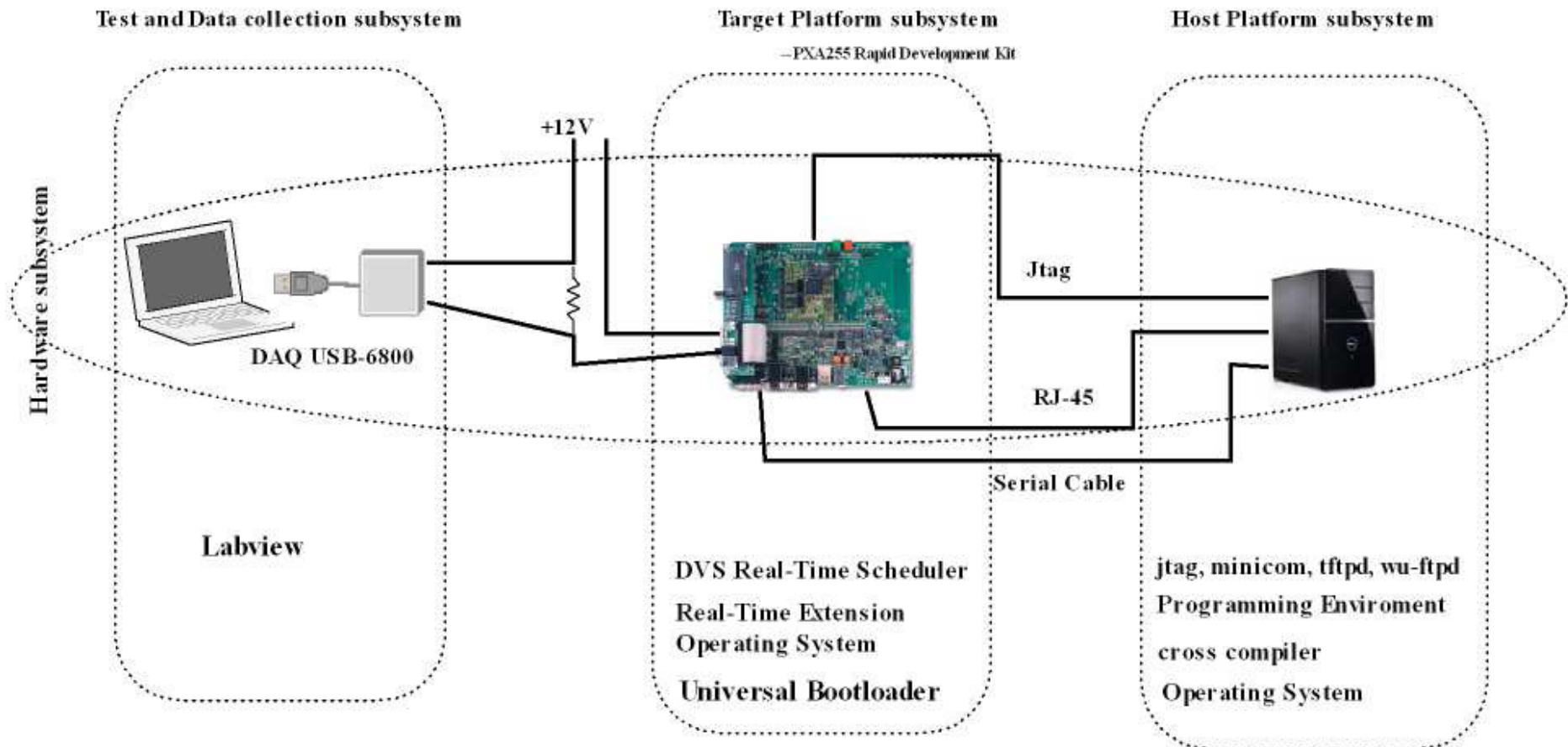
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Problem and Solution



- Most of RT-DVS algorithms are simulated
 - Unpredictable factors
 - Non-modeled factors



Results

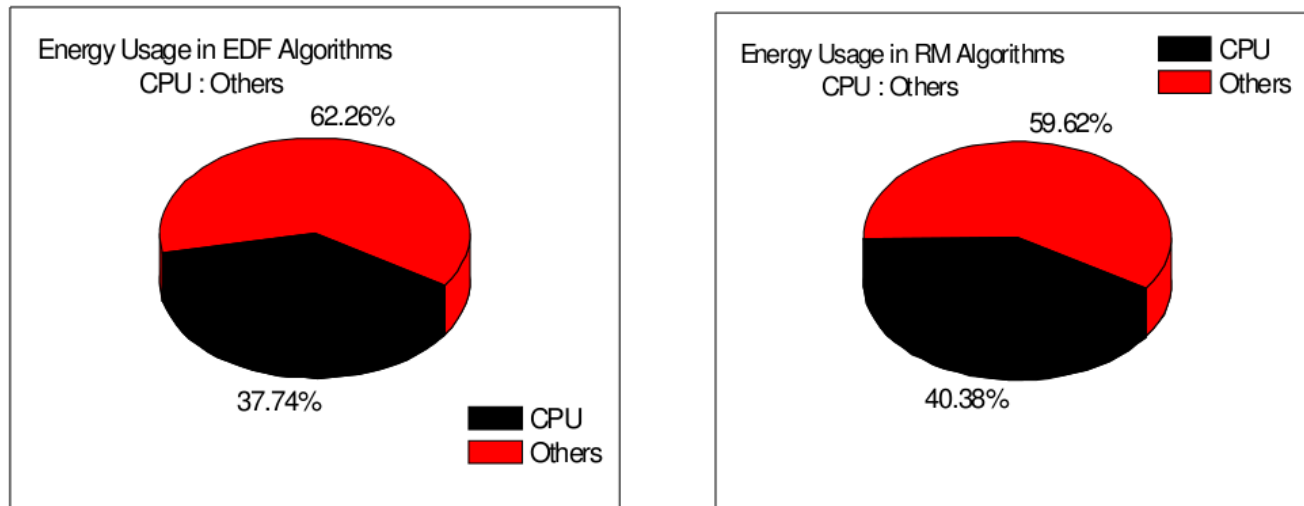


Figure 8. Energy distributions for EDF and RM algorithms

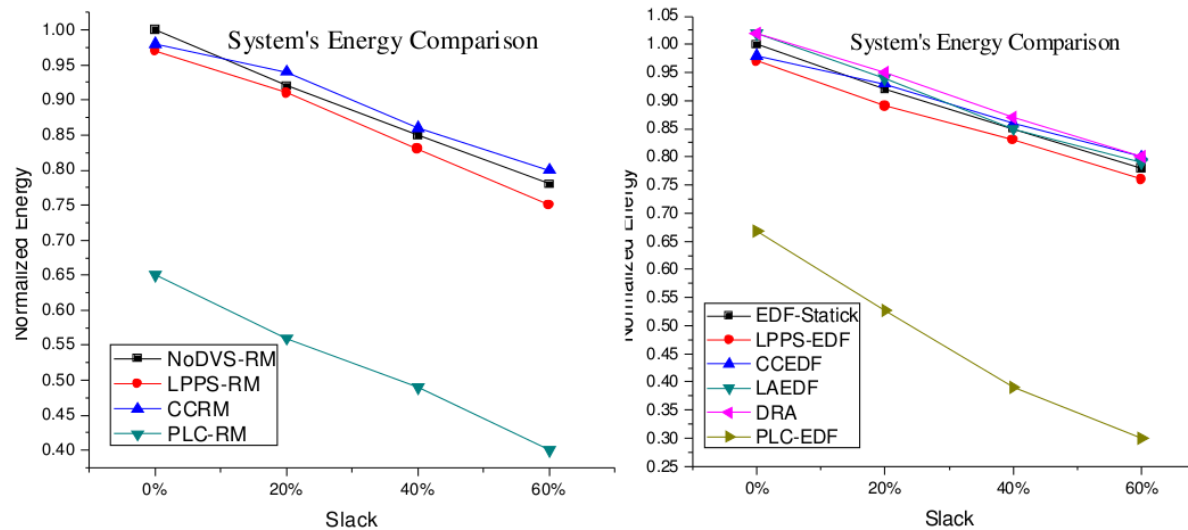


Figure 10. Comparisons for RM/EDF procrastination algorithms

Remarks



- The authors used the RTAI patch for Linux
 - Linux is complex
 - EPOS is not, who else runs on PXA255? ;)
- They obtained strange results
- They published on a B1 ACM symposium in 2010 using a monoprocessor + RT + DVS!