

Forschungspraxis

# Analyzing Power Consumption in a Simulation Model

Next to the raw computational performance of an system on chip (SoC), the power consumption is an important trait. Especially in the mobile domain, where the efficiency of the SoC is critical, the power consumption of the whole system needs to be considered. Multiple factors contribute to the overall power consumption, such as activity/state of the CPU, memory accesses including cache misses and use of potential hardware acceleration.

In this work the power consumption of a SoC should be analyzed, herefor an gem5 simulation model exists.

## Advisors

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