

Paper: Fine Grained Energy Accounting on Smartphones with Eprof

This paper is about Eprof which is the first fine-grained energy profiler for Android/Windows mobile smartphone apps and several features that they revealed with Eprof. Smartphone applications are limited by the battery life so optimizing the energy consumption of smartphone apps is quite important and therefore, energy profiler which can answer to question 'where is the energy spent inside an app' is the key of the smartphone apps development. Eprof makes the smartphone app developers know where the energy is consumed and show their performance with several apps used by usual users. I thought it could be also used for analyzing smartphone systems that also can contribute for several strategy of mobile systems.