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Power Characterization of Multi-Threading Mobile Applications

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Abstract: The evolution of portable and mobile computation systems towards an increased feature set as well as hardware and software requirements demands, together with the significant increase of market penetration in our modern society, is raising complex problems from a reasonable energy consumption level point of view under different usage scenarios. In this paper we aim to define a software execution framework for mobile systems in order to characterize the power consumption profile of multi-threading mobile applications.

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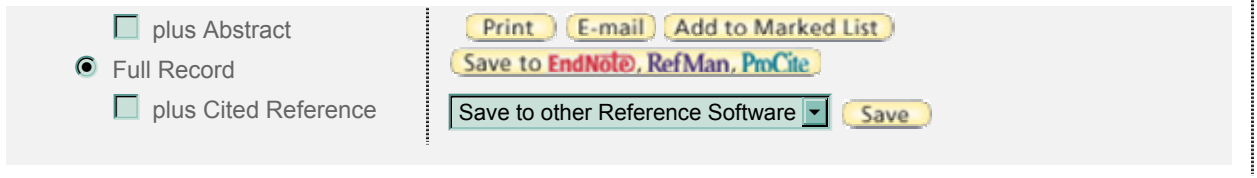

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