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A fast path to benchmarking

Most of our upstream efforts with kernel quality have thus far tended to focus on functional testing, but performance is also critical to actual user experiences. There are a large number of benchmarks out there but not much shared tooling or common practices with what or how we benchmark. How can we do better here?

To start the discussion this presentation introduces Fastpath, a tool Arm have recently open sourced which aims to make it straightforward to generalise benchmarks and provide a front end for data storage and analysis with an initial focus on identifying and bisecting regressions over an initial collection of benchmarks.

Primary author: BROWN, Mark

Presenter: BROWN, Mark

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