

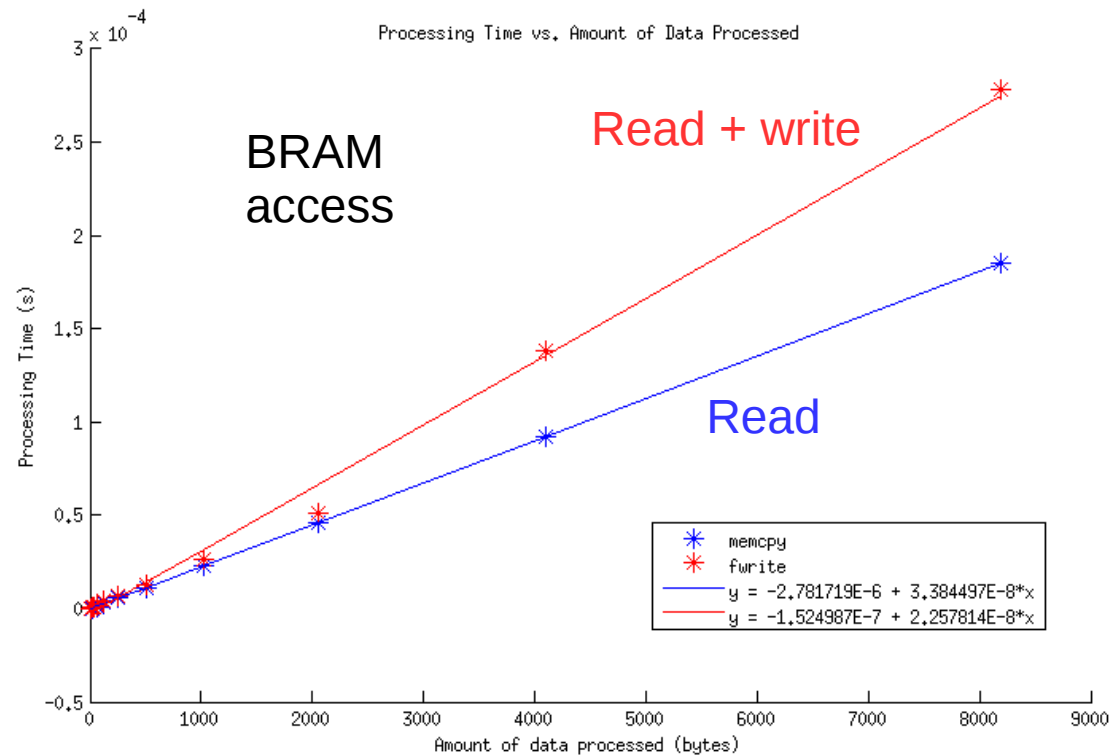
Readout Progress

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Data Readout Software

- Build current hardware design into Petalinux
- Develop data readout C application
 - Includes user space UIO driver for BRAM
- Read BRAM physical address values and write to a file using fwrite
- Export file to external PC via ethernet with scp
- Parse data file with external C application

Read and Write Speeds



	Read Speed (memcpy)	Read/Write Speed (fwrite)
Baseline	2730 MB/s	341 MB/s
BRAM Access	44 MB/s	30 MB/s