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Network measurement for 100 GbE network links using multicore processors

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Highlights (for review)

- The first x86 multicore system for measuring network at 100Gbps rate is proposed.
- We use DPDK to accelerate packet I/O throughput in user space.
- Multiple measurement designs based on DPDK RX modes and data structures are proposed.
- An optimal practical implementation for each different DPDK RX mode is proposed.

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