

Assume for a processor with

- 1 GHz clock rate
- Taking 400 clock cycles for a polling operation
- Call polling routine
- Check device (e.g., keyboard or WiFi input available)
- Return

Given that a Mouse polls 30 times per second, What's the percentage of processor time spent polling?

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Given a disk with a polling frequency of 16 MB/s and a bit rate of 16 Bytes per poll, What's the percentage of processor time spent polling?