Table 2.2 Example Time Scale of System Latencies
 as of 2014

Latency Scaled	0.3 ns 1 s	0.9 ns 3 s	2.8 ns 9 s	12.9 ns 43 s	120 ns 6 min	50-150 µs 2-6 days	1–10 ms 1–12 months	40 ms 4 years	81 ms 8 years	183 ms 19 years	1–3 s 105–317 years	4 s 423 years	30 s 3 millennia	40 s 4 millennia	5 m 32 millennia
Event	1 CPU cycle	Level 1 cache access	Level 2 cache access	Level 3 cache access	Main memory access (DRAM, from CPU)	Solid-state disk I/O (flash memory)	Rotational disk I/O	Internet: San Francisco to New York	Internet: San Francisco to United Kingdom	Internet: San Francisco to Australia	TCP packet retransmit	OS virtualization system reboot	SCSI command time-out	Hardware (HW) virtualization system reboot	Physical system reboot