

wlv001 - LMBENCH Results

This is the fastest machine I've ever owned...

L M B E N C H 3 . 0 S U M M A R Y

(Alpha software, do not distribute)

Processor, Processes - times in microseconds - smaller is better

Host	OS	Mhz	null call	null I/O	stat	open clos	slct TCP	sig inst	sig hdl	fork proc	exec proc	sh proc
wlv001	Linux 2.6.18-	2860	0.22	0.33	1.71	2.36	2.70	0.29	1.08	181.	614.	2332

Basic integer operations - times in nanoseconds - smaller is better

Host	OS	intgr bit	intgr add	intgr mul	intgr div	intgr mod
wlv001	Linux 2.6.18-	0.3500	0.0100	0.1600	8.3400	8.3100

Basic float operations - times in nanoseconds - smaller is better

Host	OS	float add	float mul	float div	float bogo
wlv001	Linux 2.6.18-	1.0400	1.4000	5.1600	4.8600

Basic double operations - times in nanoseconds - smaller is better

Host	OS	double add	double mul	double div	double bogo
wlv001	Linux 2.6.18-	1.0400	1.7400	7.9400	7.6400

Context switching - times in microseconds - smaller is better

Host	OS	2p/0K ctxsw	2p/16K ctxsw	2p/64K ctxsw	8p/16K ctxsw	8p/64K ctxsw	16p/16K ctxsw	16p/64K ctxsw
wlv001	Linux 2.6.18-	5.3800	8.2900	14.9	9.0300	16.6	9.38000	16.5

Local Communication latencies in microseconds - smaller is better

Host	OS	2p/0K ctxsw	Pipe	AF UNIX	UDP	RPC/ UDP	TCP	RPC/ TCP	TCP conn
wlv001	Linux 2.6.18-	5.380	12.1	8.92	31.9	17.4	32.4	19.4	29.

File & VM system latencies in microseconds - smaller is better

Host	OS	0K File Create	10K File Delete	10K File Create	10K File Delete	Mmap Latency	Prot Fault	Page Fault	100fd selct
wlv001	Linux 2.6.18-	46.7	10.2	74.6	17.8	20.9K	0.299	0.23420	1.477

Local Communication bandwidths in MB/s - bigger is better

Host	OS	Pipe	AF UNIX	TCP	File reread	Mmap reread	Bcopy (libc)	Bcopy (hand)	Mem read	Mem write
wlv001	Linux 2.6.18-	1150	5954	2349	4176.2	7725.9	3794.8	3636.4	5855	6005.

Memory latencies in nanoseconds - smaller is better

(WARNING - may not be correct, check graphs)

Host	OS	Mhz	L1 \$	L2 \$	Main mem	Rand mem	Guesses
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wlv001    Linux 2.6.18- 2860 1.4050 3.6100 23.3 119.6  
make[1]: Leaving directory `/home/wyattv/lmbench3/results'
```

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<http://blog.wylovan.com/pebble/wyatt/2011/01/02/1293975900000.html>