

160 lines
32 instructions / process

14 ← sum, using 14 seconds.
8 | 115 sec.
80
35
72

6017
8
1

2.2 A Performance Comparison

Proposed New File System

	mm-FS, ms		Page Faults		Worst Case
User Time	212.8	106.4	37%	106.4	106.4
Interrupt Time	14.4	106.4	32%	35	106.4
Wait Time	12.9	0	5%	14.4	14.4
Link Time	33.7	47%	12%	12.9	12.9
Seq Fault	15.7	12.3%	6%	12	12
Page Fault	172.1	0	57.3 x .62 =	5.2 35.5 <u>857.3</u> x .62 =	5.2
				220.4	314.6
	461.6				

Presume user time is 50% File System Time (Directory Content, etc.)

Accelerator effect:

461.6

37 + 0 + 5 = 42% of page faults remain or before.
58% are reduced to 20% because
15 programs run with fewer page faults.
thus 62% of page faults remain.

11 → 23

12 → 24

644300
4650