





	Т	echnology tr	rends	
Technology		Year		
		1975	1985	1995
CPU	speed	1 MIPS	2 MIPS	1000 MIPS
Memory	speed capacity	1 us .1 MB	100 ns 10 MB	1 ns 10000 MB
Disk	speed capacity	60 ms 100 MB	30 ms 300 MB	8 ms 3000 MB













On Disk Dat	a Structures			
Data Structure	Location			
I-node	Log			
I-node Map	Log			
Indirect block	Log			
Segment summary	Log			
Segment usage table	Log			
Superblock	Fixed			
Checkpoint region	Fixed			
Directory change log	Log			







































































Sprite LFS	Unix FFS	
dditional complexity or implementing egment cleaner	No segment cleaner implemented	
o bitmap / layout olicies required oplemented	Bitmap / layout policies makes it as complex as segment cleaner	
ecovery code	fsck code	















