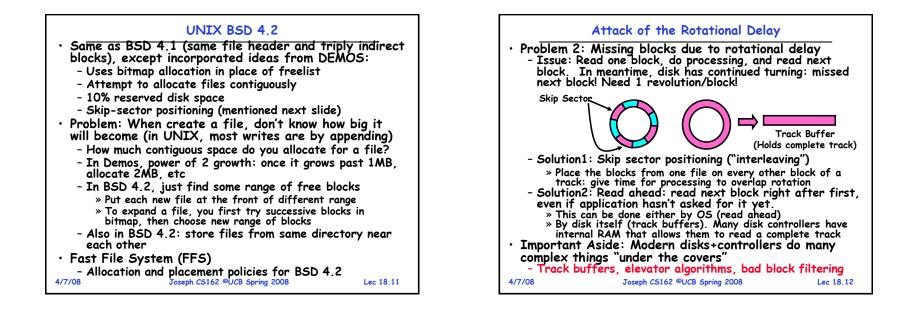
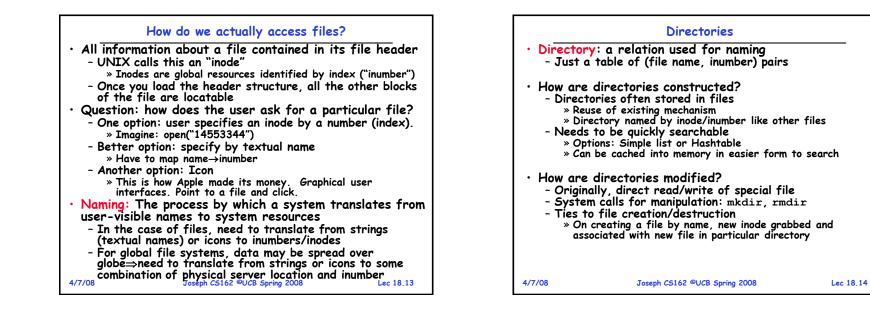
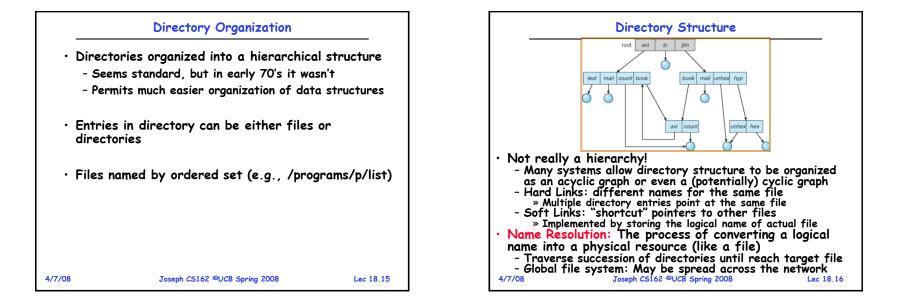
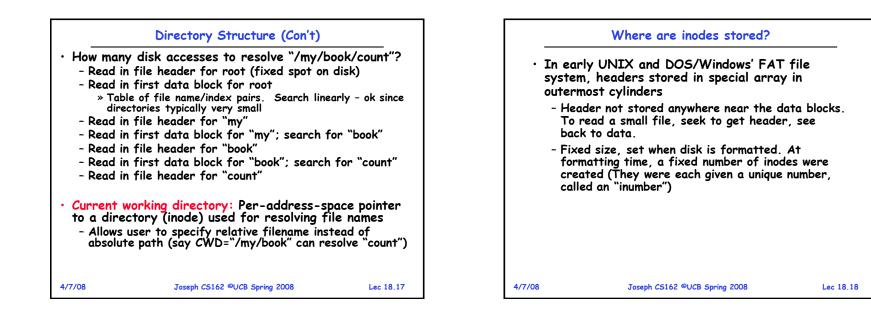


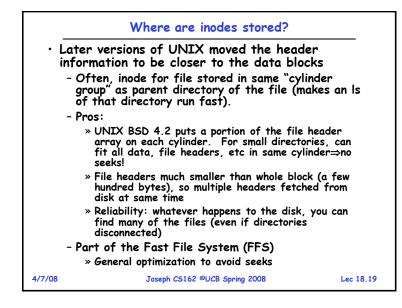
н	low to keep DEMOS performing w	vell?		Administrivia		
- CS dep » Tha	systems, disks are always full partment growth: 300 GB to 1TB in o t's 2GB/day! (Now at 65+50 TB!)			d: this month will be difficult!! deadlines every week		
please) fix? Announce that disk space is g delete files? 't really work: people try to store their		• Project #	3 design doc due today at 11:59	pm	
 Sidebar: Perhaps we are getting out of this mode with new disks However, let's assume disks full for now 		 Midterm #2 is next Wednesday (April 16th) - 6-7:30pm in 10 Evans 				
 Solution: Don't let disks get completely full: reserve portion » Free count = # blocks free in bitmap » Scheme: Don't allocate data if count < reserve How much reserve do you need? » In practice, 10% seems like enough Tradeoff: pay for more disk, get contiguous allocation » Since seeks so expensive for performance, this is a very 			- All material from projects 1-3, lectures #9 (2/25) to #19 (4/9)			
			 » OS History, Services, and Structure; CPU Scheduling; Kernel and Address Spaces; Address Translation, Caching and TLBs; Demand Paging; I/O Systems; Filesystems, Dis Management, Naming, and Directories; Distributed Systems - Email cs162@cory with conflicts 			
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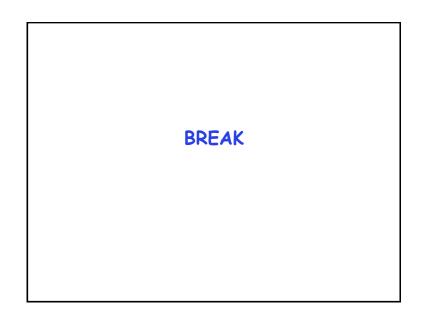


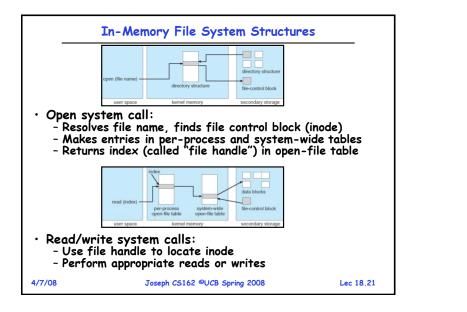


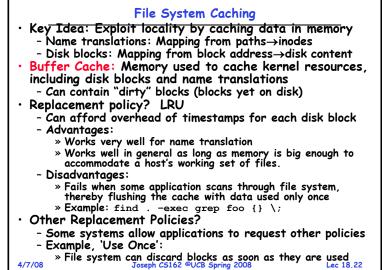


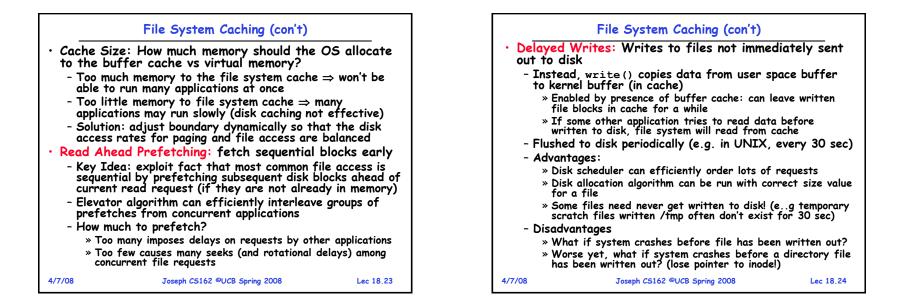












	Summary	
	NOS: optimization for sequential	
- Tuode	holds set of disk ranges, similar to s	segmentation
• 4.2 BSD	Multilevel index files	
	contains pointers to actual blocks, in indirect blocks, etc	direct blocks,
	zations for sequential access: start	new files in
	anges of free blocks onal Optimization	
actual sy	act of translating from user-visit stem resources	
- Direct	ories used for naming for local file s	ystems
	ache used to increase performanc Ahead Prefetching and Delayed Write	
Redu P	thead the ferching and Delayed With	55
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