Graduate Operating Systems

Fall 2018

Locality

• Virtual memory, TLB, thrashing
• Page faults (Figure 2), throughput (Figures 3 & 8)
• Feedback control
• (Slotted) ALOHA, Ethernet, Two-phase commit
Locality

- Principle of Locality in computing & elsewhere
- Temporal and spatial locality
- Context awareness

Paper “Multics”

- Multiplexed Information and Computing Service
Paper “Multics”

- What is the motivation behind segmentation?
- What is the motivation behind paging?
- Demand paging
- Hardware Support
- Process
- Segmentation fault
- Page fault