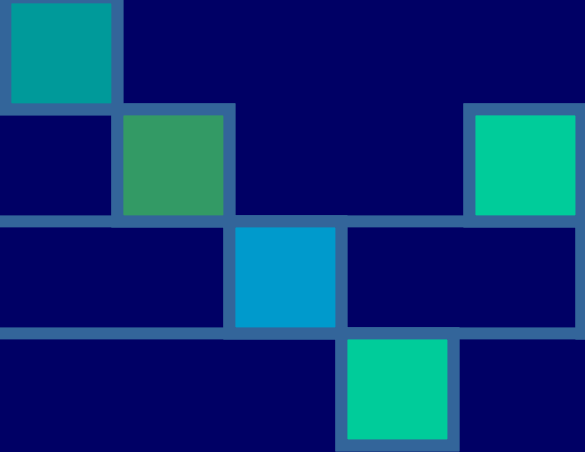




Page Tables in Linux

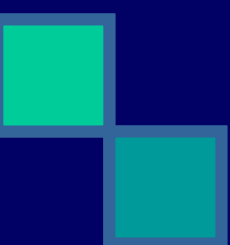
Operating System
CS 447
Prof. R K Joshi



Group
Rajat Dhariwal (00005003)
Madhumita Halder (00005007)

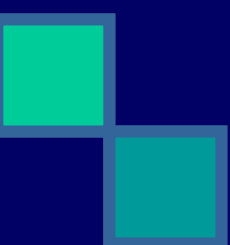


Paging

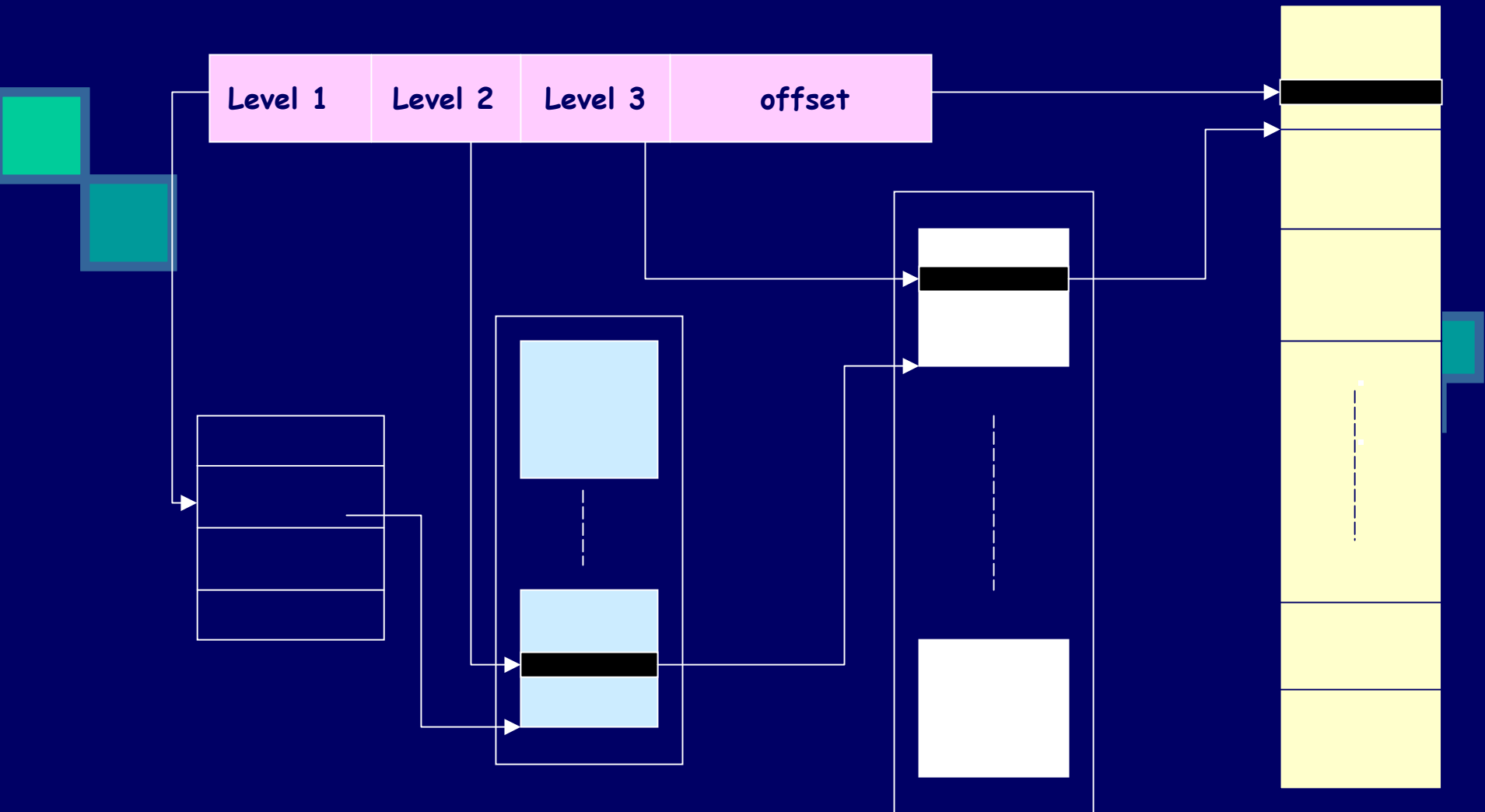
- 
- Used in non-contiguous fixed partition allocation
 - Eliminates external fragmentation
 - Causes internal fragmentation
 - Trade-off between fragmentation and memory usage
- 

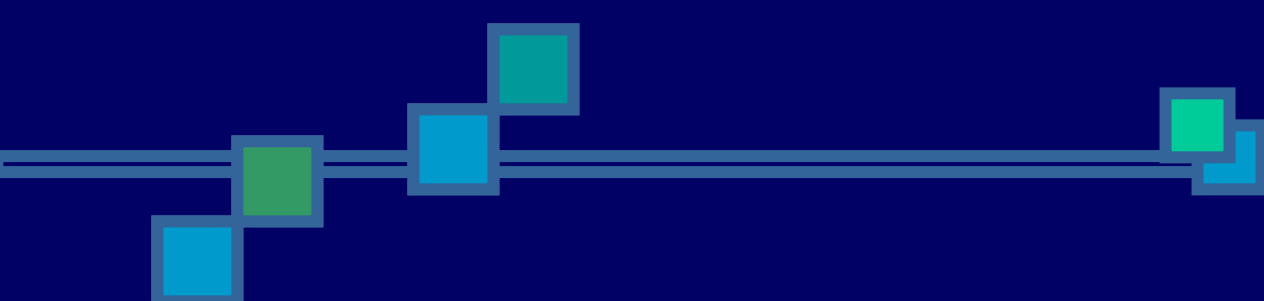


Paging in Linux

- 
- Page size
 - Intel x86 – 4 KB
 - Alpha AXP – 8 KB
 - Paging scheme
 - Multi-level (paging the page table!) with 3 levels
- 

Multilevel paging in Linux





References

- <http://www.oopweb.com/OS/Documents/tlk/VolumeFrames.html?/OS/Documents/tlk/Volume/mm/memory.html>
 - <http://www.kernelhacking.org/docs/kernelhacking-HOWTO/indexs03.html>
 - <http://www.inf.fuberlin.de/lehre/SS01/OS/Lectures/Lecture12.pdf>
 - <http://www.inf.fuberlin.de/lehre/SS01/OS/Lectures/Lecture14.pdf>
- 