

Page Fault Frequency (PFF)

- ➔ Page Fault Frequency (PFF) is a variable space algorithm that uses a more ad-hoc approach

Monitor the fault rate for each process

- If the fault rate is above a high threshold, give it more memory
- If the fault rate is below a low threshold, take away memory
- Hard to use PFF to distinguish between changes in locality and changes in size of working set

Thrashing

Overcommitted system

when OS spent most of the time in paging data back and forth from disk (and so spending little time doing useful work)

- The problem comes from either
 - a bad page replacement algorithm
(that does not help minimizing page fault)
 - or not enough physical memory for all processes