

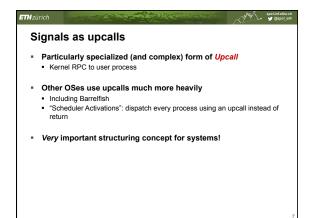
Multiple signals

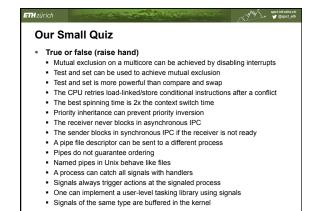
If multiple signals of the same type are to be delivered, Unix will discard all but one.

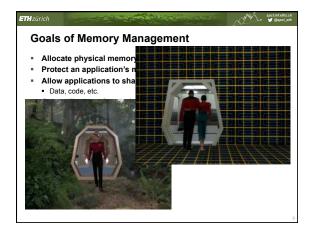
If signals of different types are to be delivered, Unix will deliver them in any order.

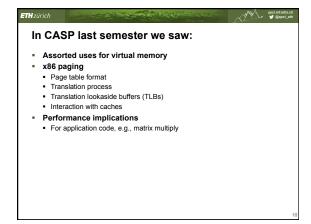
Serious concurrency problem:
How to make sense of this?

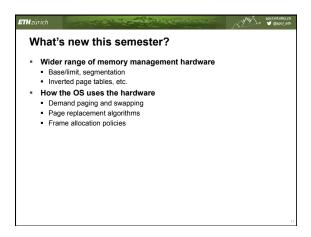
```
A better signal () POSIX sigaction ()
                         New action for
                          signal signo
#include <signal.h>
                                                  Previous action
int sigaction(int signo,
                const struct sigaction *act,
                struct sigaction *oldact);
                          Signal handler
struct sigaction {
       void (*sa_handler) (int); Signals to be blocked in this
                   sa_mask;
       sigset_t
                                       handler (cf., fd set)
                     sa_flags;
       void (*sa_sigaction)(int, siginfo_t *, void *);
};
                               More sophisticated signal
                              handler (depending on flags)
```

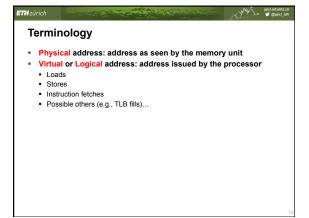


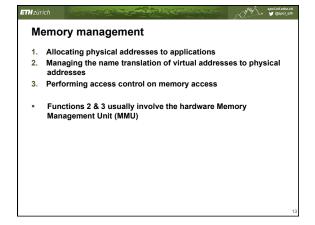


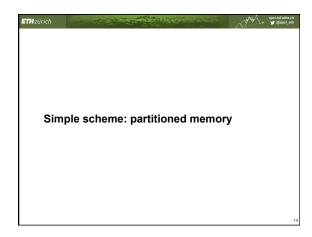


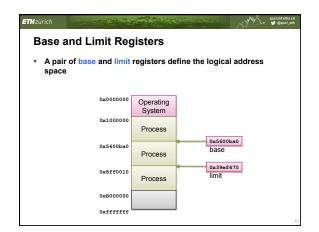


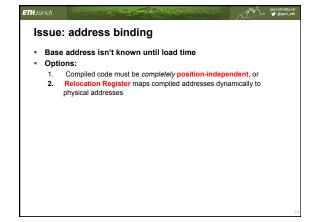


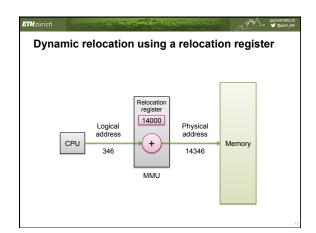


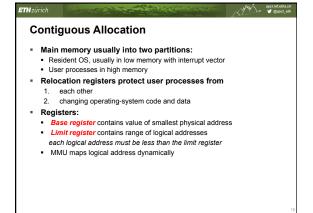


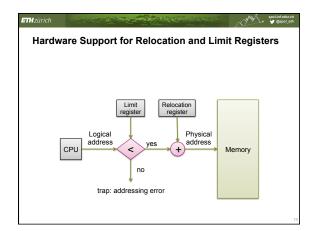


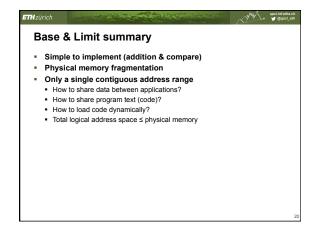


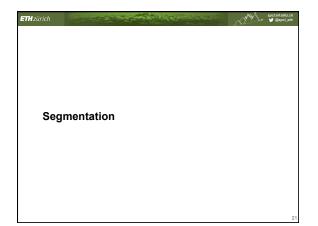


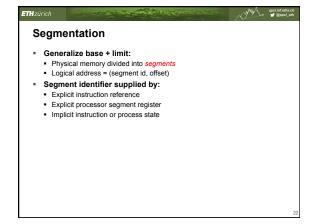


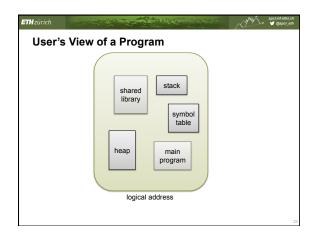


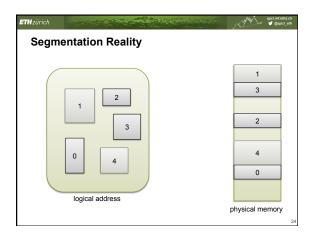


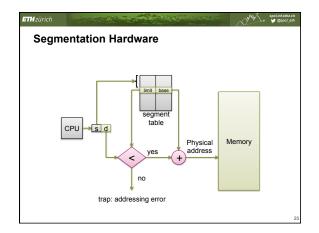


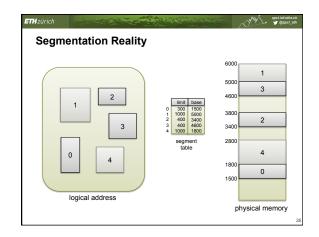


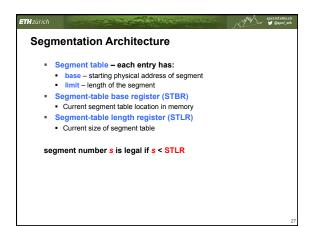


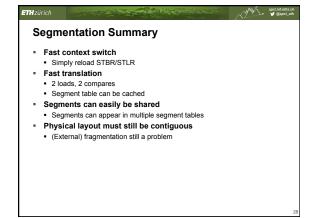


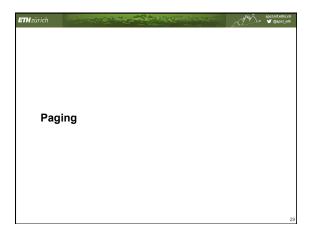


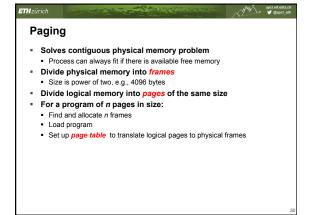


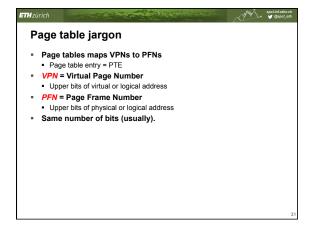


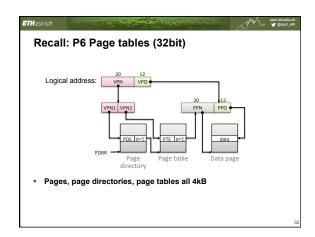


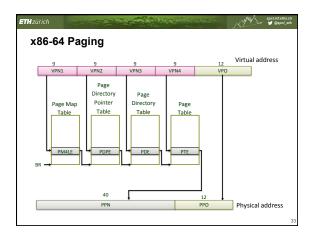


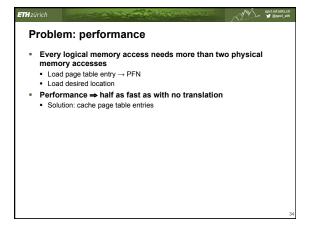


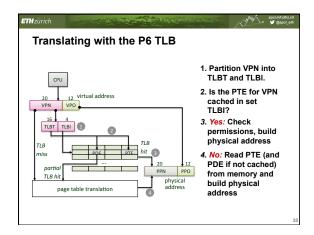


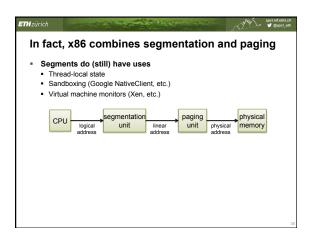


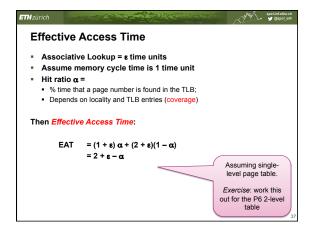


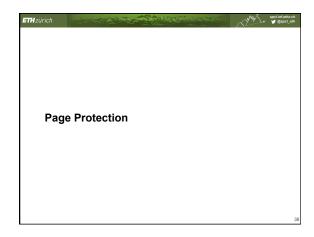


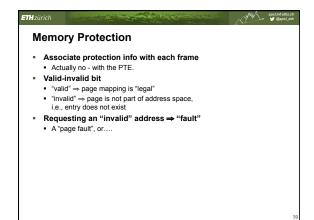


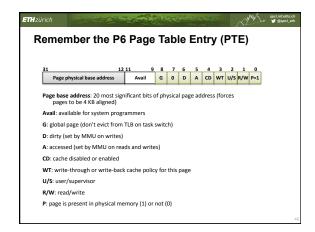


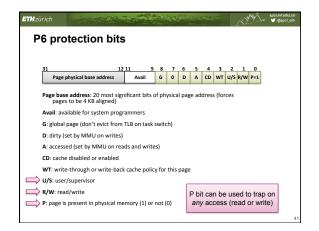


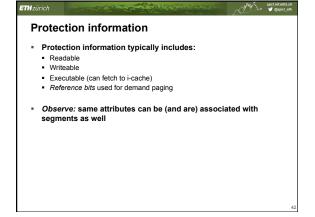


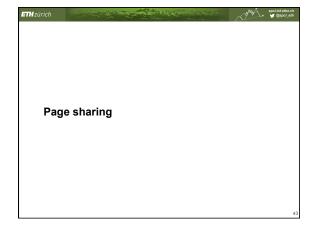


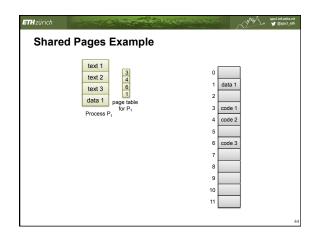


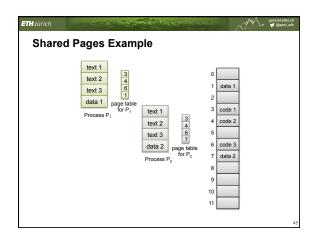


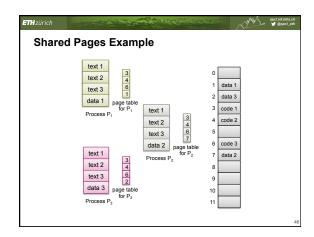












Shared Pages

Shared code

One copy of read-only code shared among processes
Shared code appears in same location in the logical address space of all processes
But still mapped at same address (so code can find it)

Private code and data
Allows code to be relocated anywhere in address space

