

Threads vs. Processes

- Threads are supposed to be faster than forking a new process... how much faster?
- I wrote a small program to find out.

Threads

```
void *thread_func(void *) {  
    pthread_exit(NULL);  
}
```

...

```
unsigned long long start = getticks();  
for(int i=0; i < Iterations; i++) {  
    pthread_create(&thread, NULL, thread_func, NULL);  
    pthread_join(thread, (void **)&status);  
}  
unsigned long long end = getticks();
```

Processes

```
unsigned long long start = getticks();
for(int i=0; i < Iterations; i++) {
    pid = fork();
    if(pid == 0) {
        exit(0);
    }
    else {
        waitpid(pid, &status, 0);
    }
}
unsigned long long end = getticks();
```

“Results”

