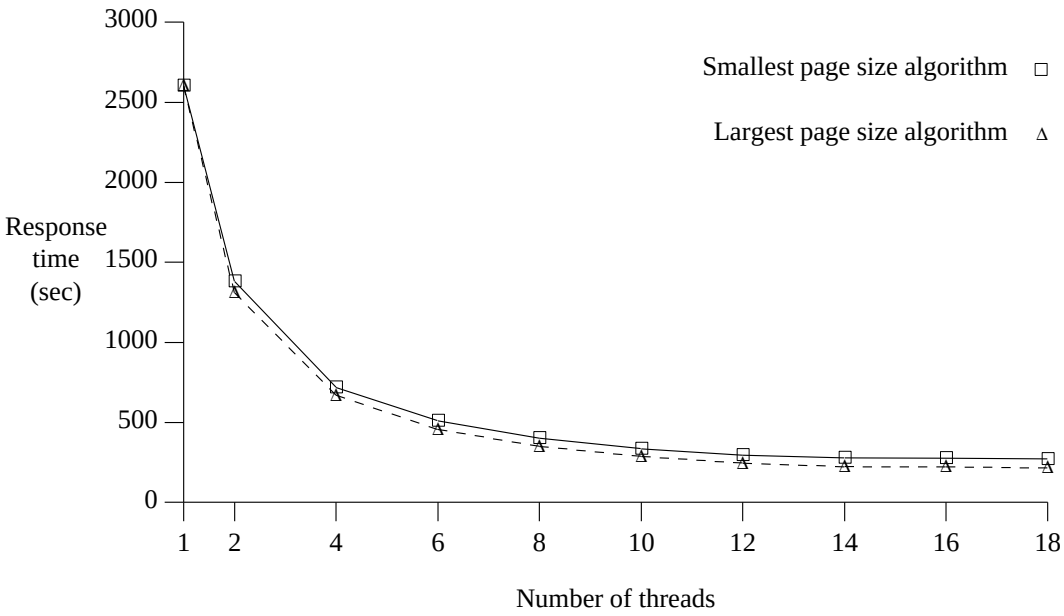
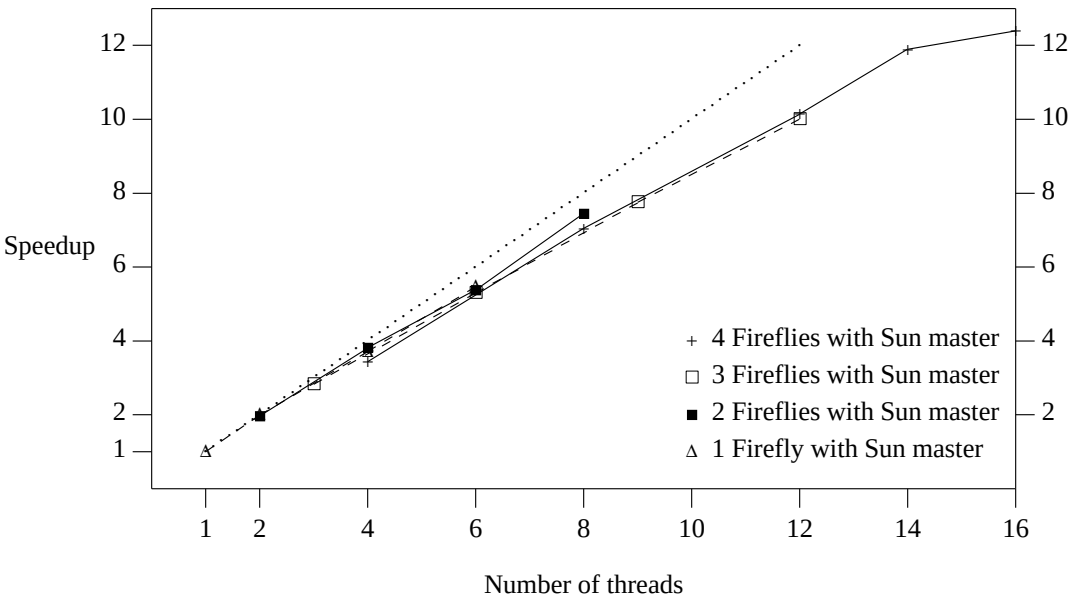
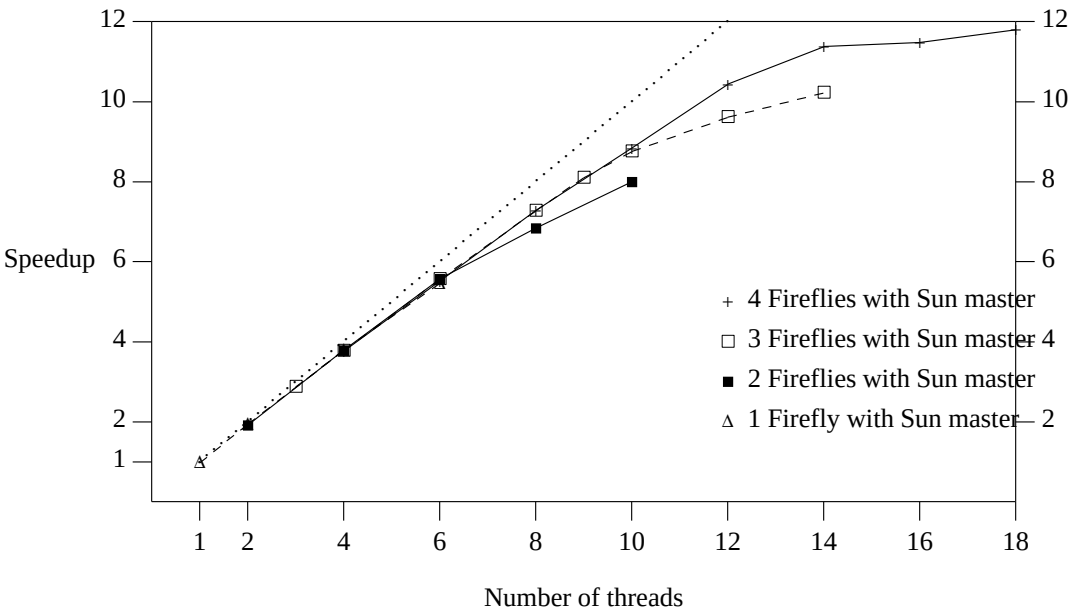
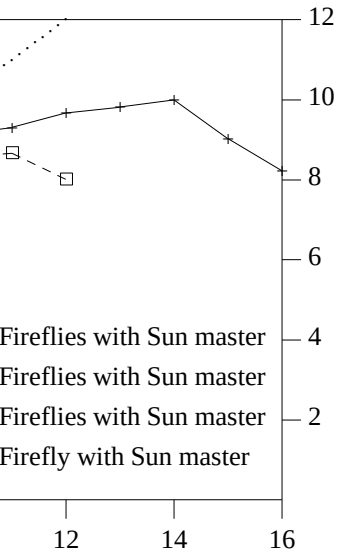
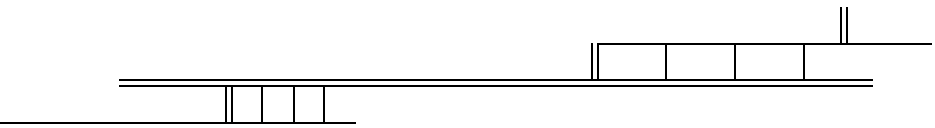
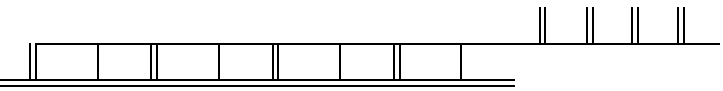

3000
2500
2000
1500
1000
500
0
Response time (sec)
Smallest page size algorithm
Largest page size algorithm
1
2
4
6
8
10
12
14
16
18
Number of threads

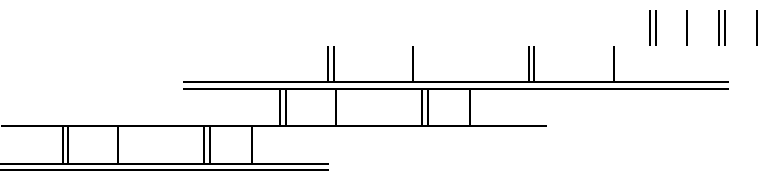

Speedup
12
10
8
6
4
2
1
1
2
4
6
8
10
12
14
16
Number of threads
4 Fireflies with Sun master
3 Fireflies with Sun master
2 Fireflies with Sun master
1 Firefly with Sun master

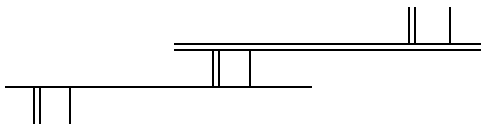

Speedup
Number of threads
4 Fireflies with Sun master
3 Fireflies with Sun master
2 Fireflies with Sun master
1 Firefly with Sun master

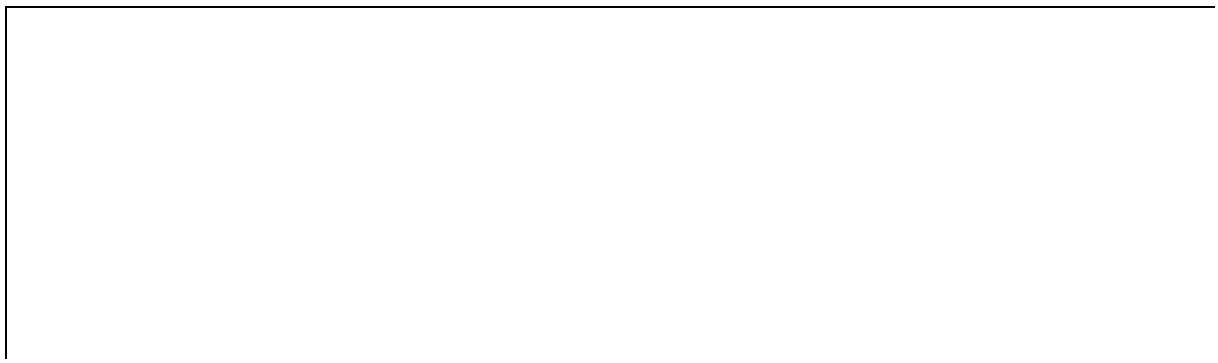

Fireflies with Sun master
Fireflies with Sun master
Fireflies with Sun master
Firefly with Sun master

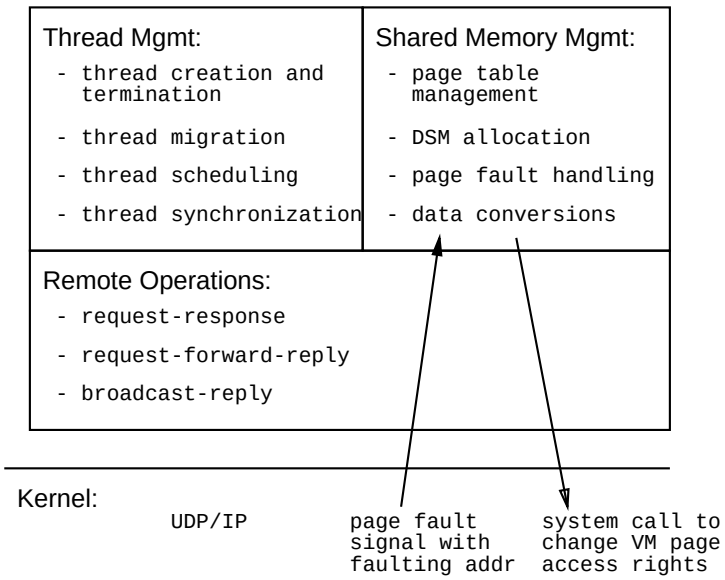
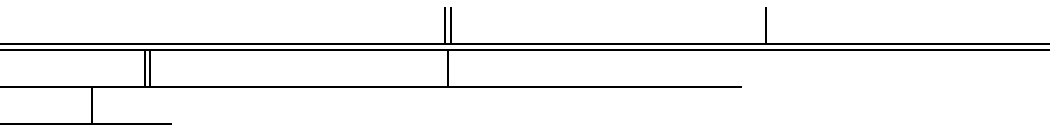
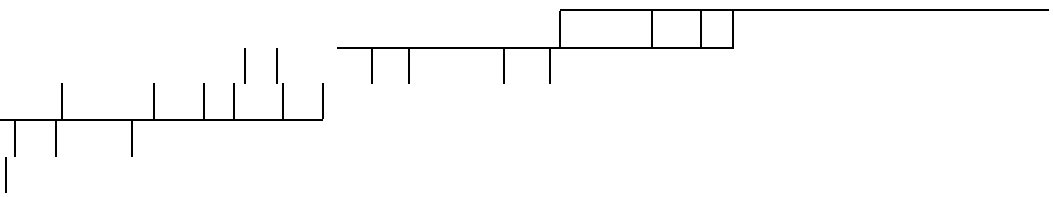











Thread Mgmt:
- thread creation and termination
- thread migration
- thread scheduling
- thread synchronization
Shared Memory Mgmt:
- page table management
- DSM allocation
- page fault handling
- data conversions
Remote Operations:
- request-response
- request-forward-reply
- broadcast-reply
Kernel:
UDP/IP
page fault signal with faulting addr
system call to change VM page access rights