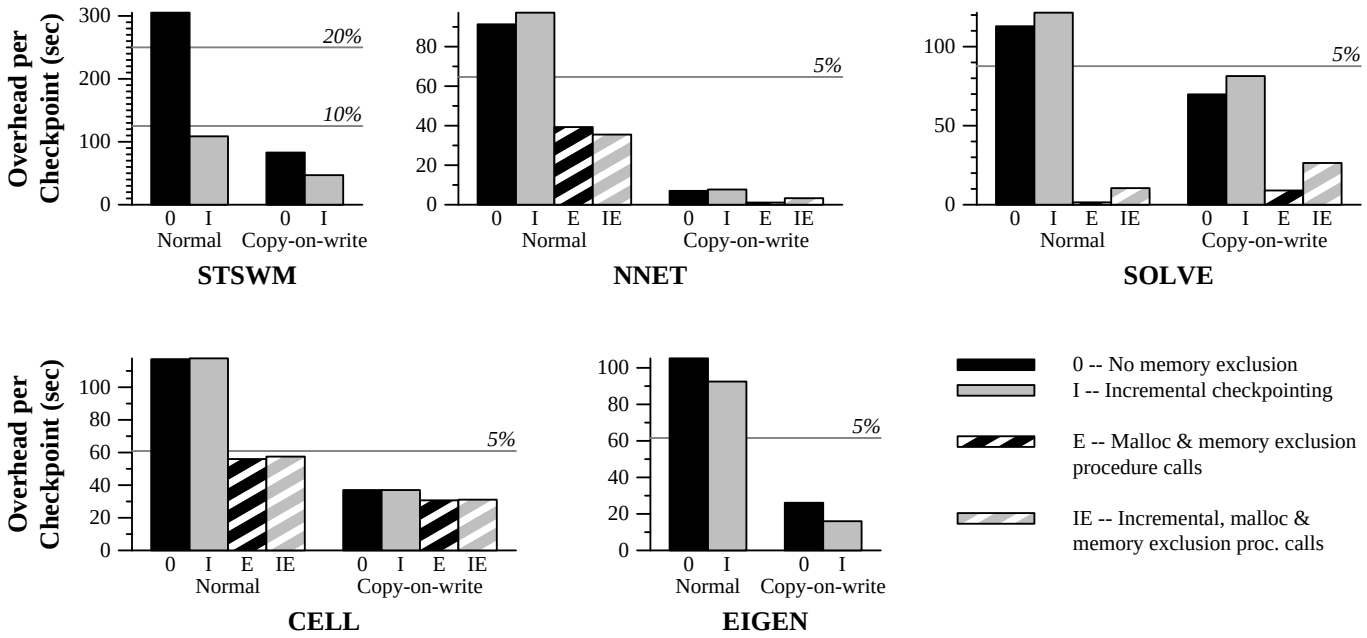
Overhead per Checkpoint (sec)
300
200
100
0
20%
10%
0 I
Normal
0 I
Copy-on-write
STSWM
80
60
40
20
0
5%
0 I E IE
Normal
0 I E IE
Copy-on-write
NNET
100
50
0
5%
0 I E IE
Normal
0 I E IE
Copy-on-write
SOLVE
Overhead per Checkpoint (sec)
100
80
60
40
20
0
5%
0 I E IE
Normal
0 I E IE
Copy-on-write
CELL
100
80
60
40
20
0
5%
0 I
Normal
0 I
Copy-on-write
EIGEN
0 -- No memory exclusion
I -- Incremental checkpointing
E -- Malloc & memory exclusion procedure calls
IE -- Incremental, malloc & memory exclusion proc. calls