|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Cache Size in Bytes | Cache Block Size in Word | | | | |
| 4 | 8 | 16 | 32 | 64 |
| 128 | Miss Rate:  12% Hit Count:  9184 Miss Count:  1251 | Miss Rate:  18% Hit Count:  6409 Miss Count:  1383 | Miss Rate:  34% Hit Count:  5111 Miss Count:  2681 | Miss Rate:  65& Hit Count:  2690 Miss Count:  5102 | X |
| 256 | Miss Rate:  8% Hit Count:  7168 Miss Count:  624 | Miss Rate:  9% Hit Count:  7052 Miss Count:  740 | Miss Rate:  17% Hit Count:  6472 Miss Count:  1320 | Miss Rate:  31% Hit Count:  5406 Miss Count:  2386 | Miss Rate:  65% Hit Count:  2692 Miss Count:  5100 |
| 512 | Miss Rate:  6% Hit Count:  7309 Miss Count:  483 | Miss Rate:  6% Hit Count:  7338 Miss Count:  454 | Miss Rate:  9% Hit Count:  7104 Miss Count:  688 | Miss Rate:  15% Hit Count:  6595 Miss Count:  1197 | Miss Rate:  31% Hit Count:  5379 Miss Count:  2413 |
| 1024 | Miss Rate:  6% Hit Count:  7342 Miss Count:  450 | Miss Rate:  4% Hit Count:  7451 Miss Count:  341 | Miss Rate:  5% Hit Count:  7388 Miss Count:  404 | Miss Rate:  8% Hit Count:  7186 Miss Count:  606 | Miss Rate:  18% Hit Count:  6398 Miss Count:  1394 |
| 2048 | Miss Rate:  5% Hit Count:  7421 Miss Count:  371 | Miss Rate:  3% Hit Count:  7555 Miss Count:  237 | Miss Rate:  3% Hit Count:  7578 Miss Count:  214 | Miss Rate:  4% Hit Count:  7491 Miss Count:  301 | Miss Rate:  11% Hit Count:  6908 Miss Count:  884 |

Row Major N = 50

Column Major N = 50

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Cache Size in Bytes | Cache Block Size in Word | | | | |
| 4 | 8 | 16 | 32 | 64 |
| 128 | Miss Rate:  37% Hit Count:  4942 Miss Count:  2850 | Miss Rate:  41% Hit Count:  4627 Miss Count:  3165 | Miss Rate:  49% Hit Count:  3975 Miss Count:  3817 | Miss Rate:  65% Hit Count:  2690 Miss Count:  5102 | X |
| 256 | Miss Rate:  35% Hit Count:  5098 Miss Count:  2694 | Miss Rate:  36% Hit Count:  4950 Miss Count:  2842 | Miss Rate:  40% Hit Count:  4647 Miss Count:  3145 | Miss Rate:  45% Hit Count:  4274 Miss Count:  3518 | Miss Rate:  65% Hit Count:  2692 Miss Count:  5100 |
| 512 | Miss Rate:  21% Hit Count:  6117 Miss Count:  1675 | Miss Rate:  34% Hit Count:  5116 Miss Count:  2676 | Miss Rate:  36% Hit Count:  4960 Miss Count:  2832 | Miss Rate:  35% Hit Count:  5063 Miss Count:  2729 | Miss Rate:  38% Hit Count:  4850 Miss Count:  2942 |
| 1024 | Miss Rate:  14% Hit Count:  6680 Miss Count:  1112 | Miss Rate:  22% Hit Count:  6054 Miss Count:  1738 | Miss Rate:  34% Hit Count:  5128 Miss Count:  2664 | Miss Rate:  31% Hit Count:  5404 Miss Count:  2388 | Miss Rate:  26% Hit Count:  5766 Miss Count:  2026 |
| 2048 | Miss Rate:  14% Hit Count:  6711 Miss Count:  1081 | Miss Rate:  14% Hit Count:  6729 Miss Count:  1063 | Miss Rate:  22% Hit Count:  6047 Miss Count:  1745 | Miss Rate:  27% Hit Count:  5691 Miss Count:  2101 | Miss Rate:  18% Hit Count:  6372 Miss Count:  1420 |