**Uncached Memory**

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| Test name | Cycles | Instructions | Instructions per cycle |
| simple | 12346 | 103 | 0.0083 |
| add | 51667 | 427 | 0.0083 |
| addi | 24684 | 204 | 0.0083 |
| and | 54087 | 447 | 0.0083 |
| andi | 19360 | 160 | 0.0083 |
| auipc | 2420 | 20 | 0.0083 |
| beq | 30613 | 253 | 0.0083 |
| bge | 32791 | 271 | 0.0083 |
| bgeu | 35816 | 296 | 0.0083 |
| blt | 30613 | 253 | 0.0083 |
| bltu | 33638 | 278 | 0.0083 |
| bne | 30613 | 253 | 0.0083 |
| j | 1573 | 13 | 0.0083 |
| jal | 2057 | 17 | 0.0083 |
| jalr | 8107 | 67 | 0.0083 |
| lw | 30589 | 229 | 0.0083 |
| lui | 3267 | 27 | 0.0083 |
| or | 54450 | 450 | 0.0083 |
| ori | 20207 | 167 | 0.0083 |
| sw | 62852 | 452 | 0.0083 |
| sll | 55902 | 462 | 0.0083 |
| slli | 24563 | 203 | 0.0083 |
| slt | 50941 | 421 | 0.0083 |
| slti | 24079 | 199 | 0.0083 |
| sra | 57354 | 474 | 0.0083 |
| srai | 26378 | 218 | 0.0083 |
| srl | 58322 | 482 | 0.0083 |
| srli | 26015 | 215 | 0.0083 |
| sub | 50699 | 419 | 0.0083 |
| xor | 54329 | 449 | 0.0083 |
| xori | 20449 | 169 | 0.0083 |
| bpred\_bht | 122210 | 1010 | 0.0083 |
| bpred\_j | 218526 | 1806 | 0.0083 |
| bpred\_ras | 34606 | 286 | 0.0083 |
| cache | 7004 | 44 | 0.0063 |
| median (small) | 432404 | 2565 | 0.0059 |
| multiply (small) | 3282709 | 26750 | 0.0081 |
| qsort (small) | 1777225 | 11066 | 0.0062 |
| vvadd (small) | 170952 | 1033 | 0.006 |
| median (big) | 17316617 | 102498 | 0.0059 |
| multiply (big) | 131291057 | 1069818 | 0.0081 |
| qsort (big) | 116302140 | 724381 | 0.0061 |
| vvadd (big) | 6800449 | 40970 | 0.006 |