| | Width | Int ALU | Int Multiplier | Memory Port | FP ALU | FP Multiplier | Prediction | Instruction Issue | CPI | Speedup | Cost | Weighted Speedup |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Test Suite 4: Varying Numbers of ALUs and Multipliers for Out-Of-Order Instruction Execution with a Machine Width of 4 | | | | |
| 1 | 4 | 1 | 1 | 1 | 1 | 1 | taken | out-of-order | 1.6631 | 1.3794 | 3485 | 0.3958 |
| 2 | 4 | 2 | 1 | 1 | 1 | 1 | taken | out-of-order | 1.5252 | 1.5041 | 3655 | 0.4115 |
| 3 | 4 | 3 | 1 | 1 | 1 | 1 | taken | out-of-order | 1.5124 | 1.5169 | 3825 | 0.3966 |
| 4 | 4 | 4 | 1 | 1 | 1 | 1 | taken | out-of-order | 1.5117 | 1.5176 | 3995 | 0.3799 |
| 5 | 4 | 1 | 1 | 1 | 1 | 1 | taken | out-of-order | 1.6631 | 1.3794 | 3485 | 0.3958 |
| 6 | 4 | 1 | 2 | 1 | 1 | 1 | taken | out-of-order | 1.6631 | 1.3794 | 3825 | 0.3606 |
| 7 | 4 | 1 | 3 | 1 | 1 | 1 | taken | out-of-order | 1.6631 | 1.3794 | 4165 | 0.3312 |
| 8 | 4 | 1 | 4 | 1 | 1 | 1 | taken | out-of-order | 1.6631 | 1.3794 | 4505 | 0.3062 |
| 9 | 4 | 1 | 1 | 1 | 1 | 1 | taken | out-of-order | 1.6631 | 1.3794 | 3485 | 0.3958 |
| 10 | 4 | 1 | 1 | 1 | 2 | 1 | taken | out-of-order | 1.6631 | 1.3794 | 3740 | 0.3688 |
| 11 | 4 | 1 | 1 | 1 | 3 | 1 | taken | out-of-order | 1.6631 | 1.3794 | 3995 | 0.3453 |
| 12 | 4 | 1 | 1 | 1 | 4 | 1 | taken | out-of-order | 1.6651 | 1.3778 | 4250 | 0.3242 |
| 13 | 4 | 1 | 1 | 1 | 1 | 1 | taken | out-of-order | 1.6631 | 1.3794 | 3485 | 0.3958 |
| 14 | 4 | 1 | 1 | 1 | 1 | 2 | taken | out-of-order | 1.6631 | 1.3794 | 3910 | 0.3528 |
| 15 | 4 | 1 | 1 | 1 | 1 | 3 | taken | out-of-order | 1.6631 | 1.3794 | 4335 | 0.3182 |
| 16 | 4 | 1 | 1 | 1 | 1 | 4 | taken | out-of-order | 1.6631 | 1.3794 | 4760 | 0.2898 |