

| Benchmark | Pycket | | Racket | | Larceny | | V8 | | Spidermonkey | | Python | | Pypy | |
|------------------------------------|--------|--------|--------|----------|---------|--------|--------|----------|--------------|----------|--------|----------|-------|---------|
| | mean | | mean | | mean | | mean | | mean | | mean | | mean | |
| Bubble _{chaperone} | 776 | ±7 ms | 6667 | ±5 ms | 1595 | ±1 ms | 336 | ±0 ms | 221 | ±0 ms | 20626 | ±36 ms | 597 | ±2 ms |
| Bubble _{direct} | 653 | ±3 ms | 1382 | ±2 ms | | | 111379 | ±4449 ms | 113832 | ±2284 ms | 100209 | ±816 ms | 1248 | ±11 ms |
| Bubble _{proxy} | | ± ms | | ± ms | | ± ms | | ± ms | | ± ms | | ± ms | | ± ms |
| Bubble _{unsafe} | 547 | ±2 ms | 955 | ±2 ms | | ± ms | | ± ms | | ± ms | | ± ms | | ± ms |
| Bubble _{unsafe*} | 540 | ±2 ms | 726 | ±1 ms | | ± ms | | ± ms | | ± ms | | ± ms | | ± ms |
| Church _{chaperone} | 6960 | ±49 ms | 38042 | ±1200 ms | | ± ms | | ± ms | | ± ms | | ± ms | | ± ms |
| Church _{chaperone-a} | 1239 | ±6 ms | 4542 | ±213 ms | | ± ms | 291928 | ±1548 ms | 403966 | ±5428 ms | | ± ms | | ± ms |
| Church _{contract} | 1448 | ±12 ms | 10330 | ±284 ms | | ± ms | 2067 | ±7 ms | 3470 | ±10 ms | | ± ms | | ± ms |
| Church _{direct} | 752 | ±3 ms | 1241 | ±7 ms | 796 | ±12 ms | 54073 | ±118 ms | 153989 | ±680 ms | | ± ms | | ± ms |
| Church _{proxy} | | ± ms | | ± ms | | ± ms | 51991 | ±125 ms | 150996 | ±950 ms | | ± ms | | ± ms |
| Church _{proxy-a} | | ± ms | | ± ms | | ± ms | 8588 | ±39 ms | 17171 | ±203 ms | 298532 | ±6236 ms | 68958 | ±172 ms |
| Church _{wrap} | 2392 | ±8 ms | 4184 | ±8 ms | 4129 | ±19 ms | | ± ms | | ± ms | | ± ms | | ± ms |
| Proc _{chaperone} | 88 | ±1 ms | 1051 | ±10 ms | | ± ms | | ± ms | | ± ms | | ± ms | | ± ms |
| Proc _{chaperone+return} | 90 | ±1 ms | 1576 | ±8 ms | | ± ms | | ± ms | | ± ms | | ± ms | | ± ms |
| Proc _{direct} | 21 | ±1 ms | 34 | ±0 ms | | ± ms | 39 | ±0 ms | 27 | ±0 ms | 1464 | ±25 ms | 67 | ±1 ms |
| Proc _{impersonate} | 88 | ±1 ms | 1020 | ±7 ms | | ± ms | | ± ms | | ± ms | | ± ms | | ± ms |
| Proc _{impersonate+return} | 90 | ±1 ms | 1532 | ±10 ms | | ± ms | | ± ms | | ± ms | | ± ms | | ± ms |
| Proc _{indirect} | 20 | ±1 ms | 124 | ±2 ms | | ± ms | 38 | ±0 ms | 28 | ±1 ms | 1453 | ±25 ms | 80 | ±1 ms |
| Proc _{proxy} | | ± ms | | ± ms | | ± ms | 1555 | ±9 ms | 2604 | ±8 ms | | ± ms | | ± ms |
| Proc _{wrapped} | 22 | ±1 ms | 180 | ±1 ms | | ± ms | 38 | ±0 ms | 27 | ±0 ms | 2682 | ±15 ms | 72 | ±2 ms |
| Proc _{wrapped+check} | 23 | ±1 ms | 366 | ±3 ms | | ± ms | 118 | ±1 ms | 140 | ±0 ms | 4319 | ±92 ms | 83 | ±2 ms |
| Proc _{wrapped+return} | 23 | ±1 ms | 405 | ±7 ms | | ± ms | 368 | ±1 ms | 668 | ±5 ms | 5457 | ±57 ms | 276 | ±1 ms |
| Struct _{chaperone} | 135 | ±1 ms | 5546 | ±60 ms | | ± ms | | ± ms | | ± ms | | ± ms | | ± ms |
| Struct _{direct} | 134 | ±1 ms | 527 | ±0 ms | 1069 | ±1 ms | 377 | ±0 ms | 271 | ±18 ms | 4650 | ±34 ms | 126 | ±1 ms |
| Struct _{impersonate} | 136 | ±1 ms | 5530 | ±103 ms | | ± ms | | ± ms | | ± ms | | ± ms | | ± ms |
| Struct _{proxy} | | ± ms | | ± ms | | ± ms | 26531 | ±618 ms | 26760 | ±103 ms | 103454 | ±860 ms | 2077 | ±28 ms |
| Struct _{unsafe} | 133 | ±1 ms | 337 | ±0 ms | | ± ms | | ± ms | | ± ms | | ± ms | | ± ms |
| Struct _{unsafe*} | 133 | ±1 ms | 337 | ±0 ms | | ± ms | | ± ms | | ± ms | | ± ms | | ± ms |