Random(4000000,2)

# of cores	1	2	3	4	5	6	7	8
serial	1.60	—	—	—	—	—	—	—
serial_call	1.35 (1.19)	—	—	—	—	—	—	—
serial_call_cas	1.32 (1.21)	—	—	—	—	—	—	—
serial_call_membar	1.77 (0.904)	—	—	—	—	—	—	—
Cilk_cas	2.19 (0.731)	1.09 (1.47)	0.747 (2.14)	0.560 (2.86)	0.482 (3.32)	0.346 (4.62)	0.285 (5.61)	0.252 (6.35)
Cilk_membar	2.27 (0.705)	1.13 (1.42)	0.752 (2.13)	0.576 (2.78)	0.518 (3.09)	0.353 (4.53)	0.288 (5.56)	0.261 (6.13)
Cilk_R_cas	2.16 (0.741)	1.08 (1.48)	0.719 (2.23)	0.545 (2.94)	0.427 (3.75)	0.338 (4.73)	0.277 (5.78)	0.247 (6.48)
Cilk_R_membar	2.26 (0.708)	1.12 (1.43)	0.772 (2.07)	0.567 (2.82)	0.471 (3.40)	0.345 (4.64)	0.289 (5.54)	0.251 (6.37)
Tascell_XCCC_cas	1.43 (1.12)	1.24 (1.29)	0.691 (2.32)	0.580 (2.76)	0.344 (4.65)	0.282 (5.67)	0.236 (6.78)	0.221 (7.24)
Tascell_XCCC_membar	1.76 (0.909)	1.52 (1.05)	0.843 (1.90)	0.615 (2.60)	0.440 (3.64)	0.324 (4.94)	0.294 (5.44)	0.262 (6.11)
Cilk_cas_800	2.56 (0.625)	1.14 (1.40)	0.741 (2.16)	0.551 (2.90)	0.571 (2.80)	0.422 (3.79)	0.289 (5.54)	0.255 (6.27)
Cilk_R_cas_800	2.41 (0.664)	1.11 (1.44)	0.811 (1.97)	0.551 (2.90)	0.446 (3.59)	0.335 (4.78)	0.282 (5.67)	0.253 (6.32)
Tascell_XCCC_cas_800	1.69 (0.947)	0.876 (1.83)	0.497 (3.22)	0.438 (3.65)	0.322 (4.97)	0.252 (6.35)	0.220 (7.27)	0.212 (7.55)

Hypercube(21)

# of cores	1	2	3	4	5	6	7	8
serial	0.967	—	—	—	—	—	—	—
serial_call	0.917 (1.05)	—	—	—	—	—	—	—
serial_call_cas	0.921 (1.05)	—	—	—	—	—	—	—
serial_call_membar	1.02 (0.948)	—	—	—	—	—	—	—
Cilk_cas	1.18 (0.819)	0.614 (1.57)	0.432 (2.24)	0.334 (2.90)	0.253 (3.82)	0.215 (4.50)	0.191 (5.06)	0.173 (5.59)
Cilk_membar	1.22 (0.793)	0.635 (1.52)	0.446 (2.17)	0.344 (2.81)	0.262 (3.69)	0.221 (4.38)	0.196 (4.93)	0.179 (5.40)
Cilk_R_cas	1.14 (0.848)	0.581 (1.66)	0.395 (2.45)	0.304 (3.18)	0.227 (4.26)	0.186 (5.20)	0.162 (5.97)	0.146 (6.62)
Cilk_R_membar	1.20 (0.806)	0.613 (1.58)	0.414 (2.34)	0.318 (3.04)	0.236 (4.10)	0.195 (4.96)	0.169 (5.72)	0.151 (6.40)
Tascell_XCCC_cas	1.03 (0.939)	0.531 (1.82)	0.386 (2.51)	0.298 (3.24)	0.216 (4.48)	0.180 (5.37)	0.157 (6.16)	0.143 (6.76)
Tascell_XCCC_membar	1.05 (0.921)	0.543 (1.78)	0.368 (2.63)	0.305 (3.17)	0.215 (4.50)	0.181 (5.34)	0.159 (6.08)	0.143 (6.76)
Cilk_cas_800	1.17 (0.826)	0.611 (1.58)	0.430 (2.25)	0.334 (2.90)	0.254 (3.81)	0.216 (4.48)	0.192 (5.04)	0.178 (5.43)
Cilk_R_cas_800	1.14 (0.848)	0.580 (1.67)	0.397 (2.44)	0.305 (3.17)	0.227 (4.26)	0.189 (5.12)	0.165 (5.86)	0.149 (6.49)
Tascell_XCCC_cas_800	1.03 (0.939)	0.533 (1.81)	0.374 (2.59)	0.298 (3.24)	0.208 (4.65)	0.180 (5.37)	0.159 (6.08)	0.142 (6.81)

2D-torus(4000)

# of cores	1	2	3	4	5	6	7	8
serial	1.14	—	—	—	—	—	—	—
serial_call	1.38 (0.826)	—	—	—	—	—	—	—
serial_call_cas	1.43 (0.797)	—	—	—	—	—	—	—
serial_call_membar	1.77 (0.644)	—	—	—	—	—	—	—
Cilk_cas	2.54 (0.449)	1.33 (0.857)	0.928 (1.23)	0.720 (1.58)	0.598 (1.91)	0.589 (1.94)	0.547 (2.08)	0.541 (2.11)
Cilk_membar	2.78 (0.410)	—	—	—	—	—	—	—
Cilk_R_cas	2.12 (0.538)	1.06 (1.08)	0.742 (1.54)	0.568 (2.01)	0.461 (2.47)	0.398 (2.86)	0.340 (3.35)	0.304 (3.75)
Cilk_R_membar	2.35 (0.485)	—	—	—	—	—	—	—
Tascell_XCCC_cas	1.58 (0.722)	0.808 (1.41)	0.646 (1.76)	0.510 (2.24)	0.391 (2.92)	0.329 (3.47)	0.284 (4.01)	0.254 (4.49)
Tascell_XCCC_membar	1.82 (0.626)	—	—	—	—	—	—	—
Cilk_cas_800	2.39 (0.477)	1.29 (0.884)	0.938 (1.22)	0.757 (1.51)	0.852 (1.34)	0.859 (1.33)	0.899 (1.27)	0.886 (1.29)
Cilk_R_cas_800	2.13 (0.535)	1.12 (1.02)	0.783 (1.46)	0.627 (1.82)	0.647 (1.76)	0.628 (1.82)	0.606 (1.88)	0.600 (1.90)
Tascell_XCCC_cas_800	1.58 (0.722)	0.832 (1.37)	0.625 (1.82)	0.511 (2.23)	0.0387 (29.46)	0.321 (3.55)	0.275 (4.15)	0.248 (4.60)

Bintree(24)

# of cores	1	2	3	4	5	6	7	8
serial	0.387	—	—	—	—	—	—	—
serial_call	0.507 (0.763)	—	—	—	—	—	—	—
serial_call_cas	0.585 (0.662)	—	—	—	—	—	—	—
serial_call_membar	0.842 (0.460)	—	—	—	—	—	—	—
Cilk_cas	0.933 (0.415)	0.475 (0.815)	0.314 (1.23)	0.236 (1.64)	0.184 (2.10)	0.152 (2.55)	0.129 (3.00)	0.113 (3.42)
Cilk_membar	1.12 (0.346)	0.576 (0.672)	0.376 (1.03)	0.282 (1.37)	0.225 (1.72)	0.182 (2.13)	0.155 (2.50)	0.135 (2.87)
Cilk_R_cas	0.969 (0.399)	0.483 (0.801)	0.327 (1.18)	0.242 (1.60)	0.190 (2.04)	0.156 (2.48)	0.135 (2.87)	0.117 (3.31)
Cilk_R_membar	1.15 (0.337)	0.581 (0.666)	0.395 (0.980)	0.292 (1.33)	0.228 (1.70)	0.188 (2.06)	0.160 (2.42)	0.140 (2.76)
Tascell_XCCC_cas	0.630 (0.614)	0.318 (1.22)	0.243 (1.59)	0.203 (1.91)	0.158 (2.45)	0.117 (3.31)	0.119 (3.25)	0.0906 (4.27)
Tascell_XCCC_membar	0.857 (0.452)	0.418 (0.926)	0.243 (1.59)	0.262 (1.48)	0.193 (2.01)	0.183 (2.11)	0.146 (2.65)	0.126 (3.07)
Cilk_cas_800	0.931 (0.416)	0.477 (0.811)	0.314 (1.23)	0.236 (1.64)	0.184 (2.10)	0.152 (2.55)	0.129 (3.00)	0.113 (3.42)
Cilk_R_cas_800	0.970 (0.399)	0.483 (0.801)	0.331 (1.17)	0.241 (1.61)	0.189 (2.05)	0.157 (2.46)	0.133 (2.91)	0.117 (3.31)
Tascell_XCCC_cas_800	0.631 (0.613)	0.319 (1.21)	0.316 (1.22)	0.238 (1.63)	0.179 (2.16)	0.131 (2.95)	0.114 (3.39)	0.102 (3.79)