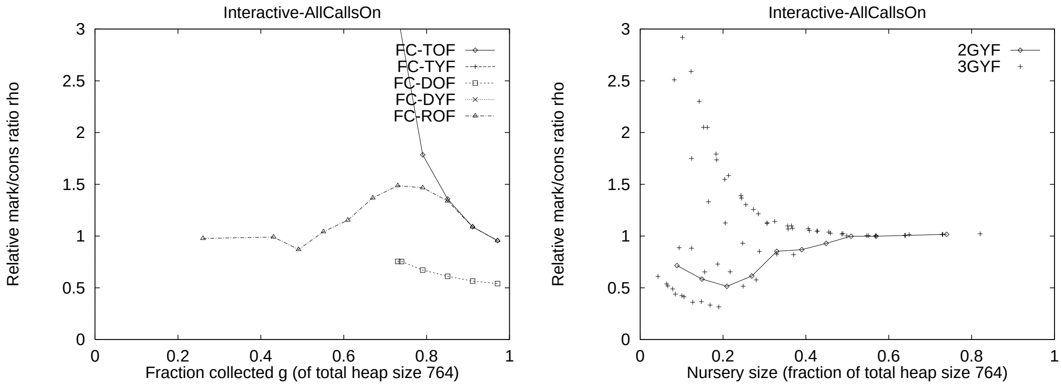
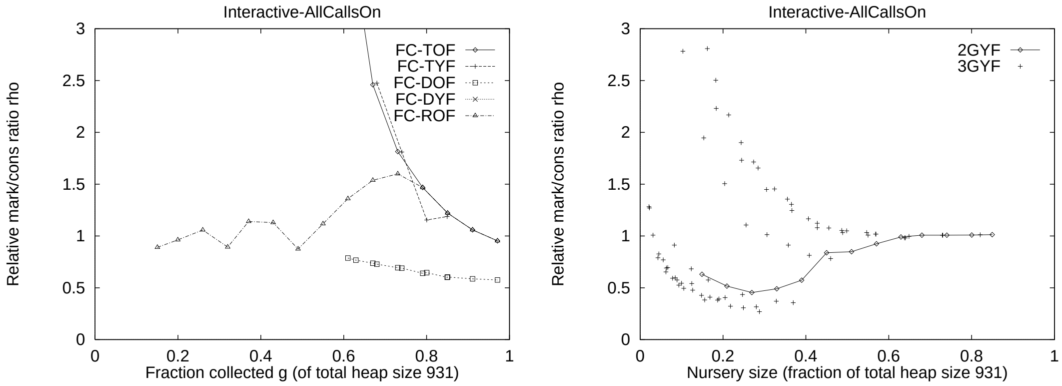


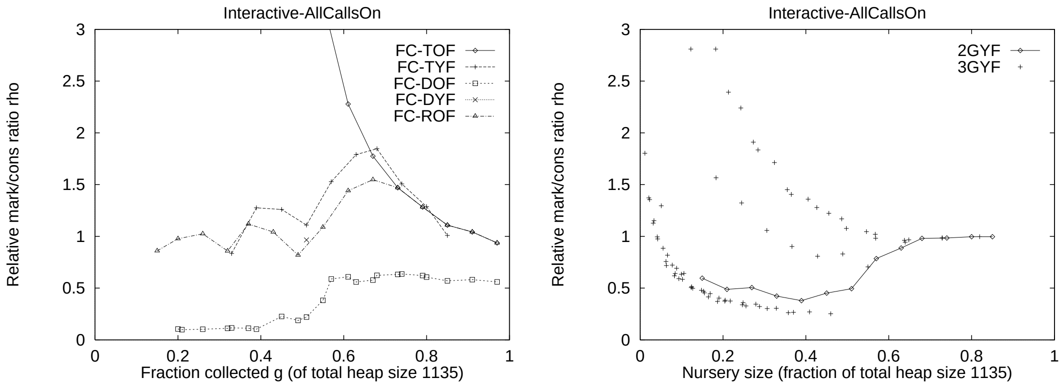
(a) FC schemes (b) GYF schemes

Figure 5.7. Copying cost comparison: Interactive-AllCallsOn, $V = 764$.



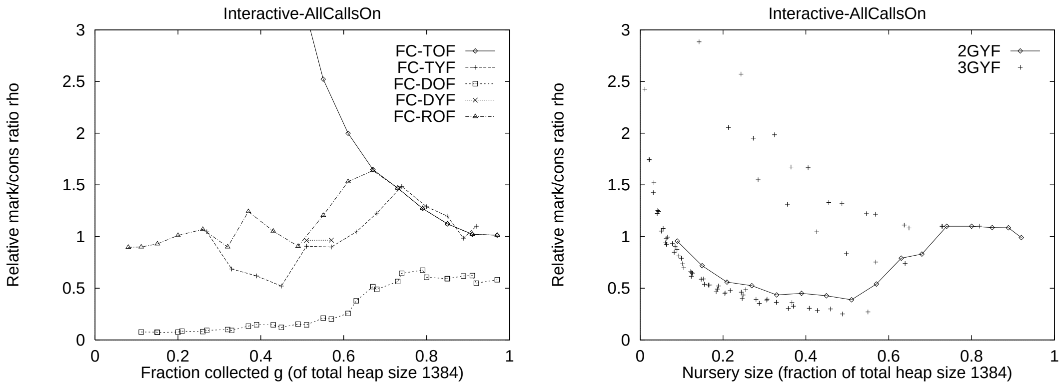
(a) FC schemes (b) GYF schemes

Figure 5.8. Copying cost comparison: Interactive-AllCallsOn, $V = 931$.



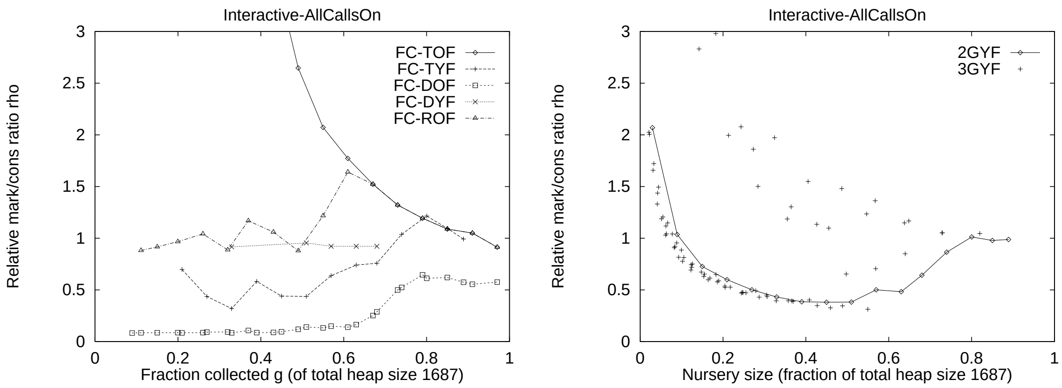
(a) FC schemes (b) GYF schemes

Figure 5.9. Copying cost comparison: Interactive-AllCallsOn, $V = 1135$.



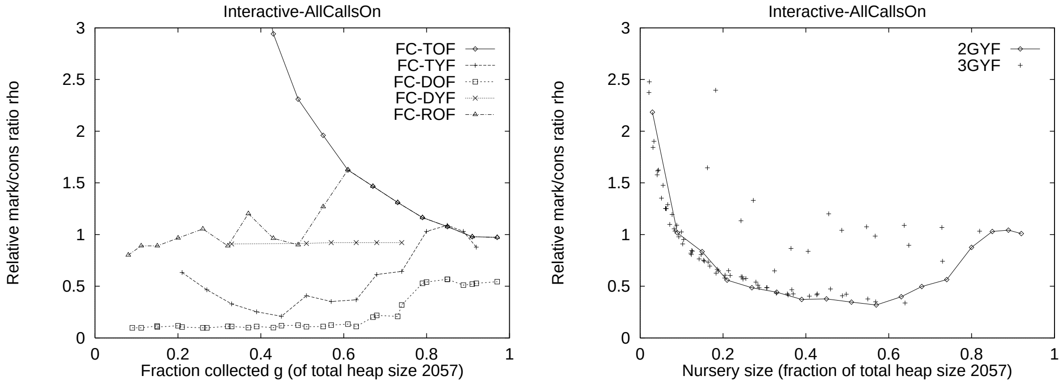
(a) FC schemes (b) GYF schemes

Figure 5.10. Copying cost comparison: Interactive-AllCallsOn, $V = 1384$.



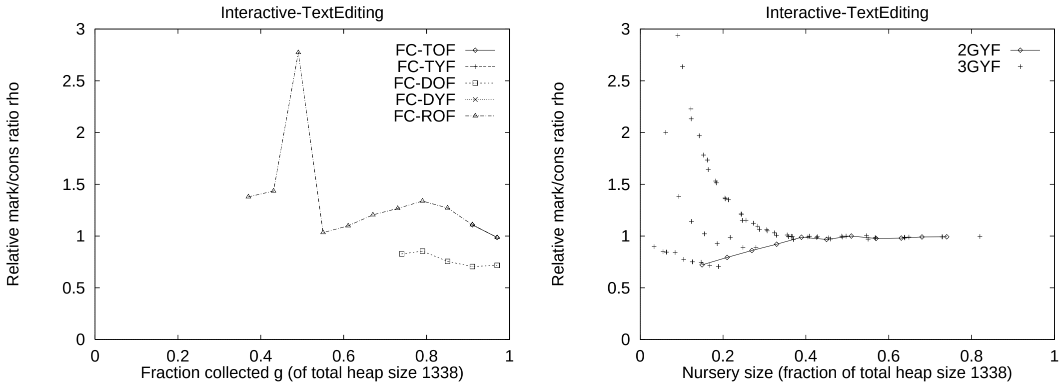
(a) FC schemes (b) GYF schemes

Figure 5.11. Copying cost comparison: Interactive-AllCallsOn, $V = 1687$.



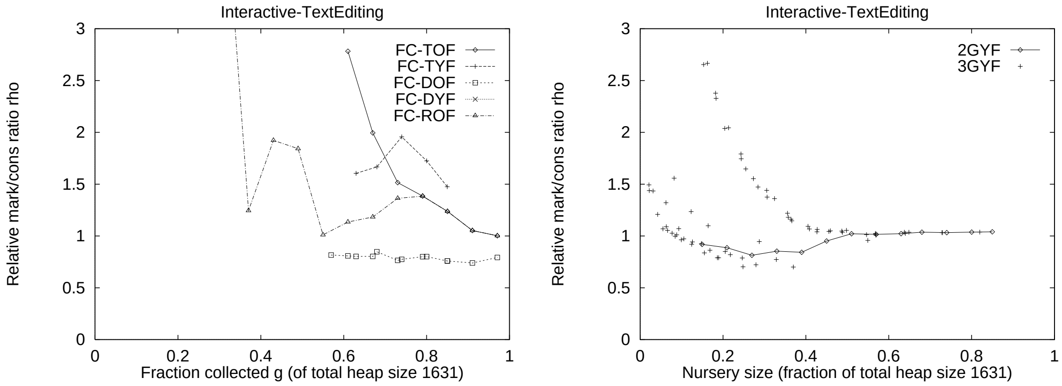
(a) FC schemes (b) GYF schemes

Figure 5.12. Copying cost comparison: Interactive-AllCallsOn, $V = 2057$.



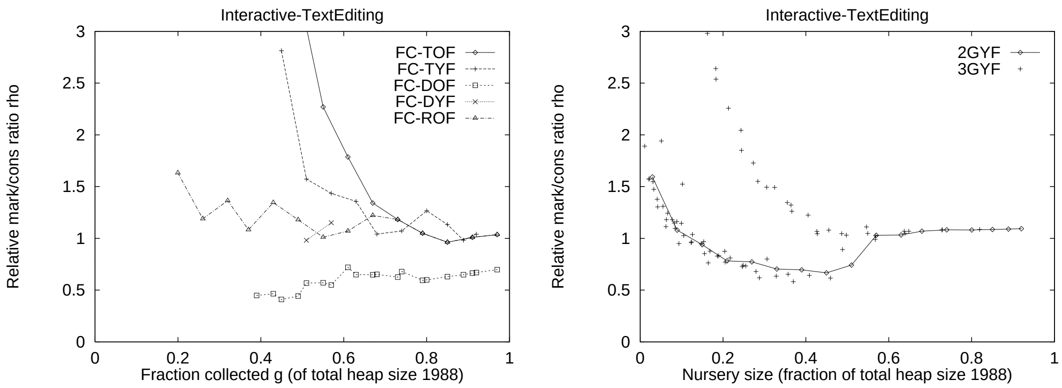
(a) FC schemes (b) GYF schemes

Figure 5.13. Copying cost comparison: Interactive-TextEditing, $V = 1338$.



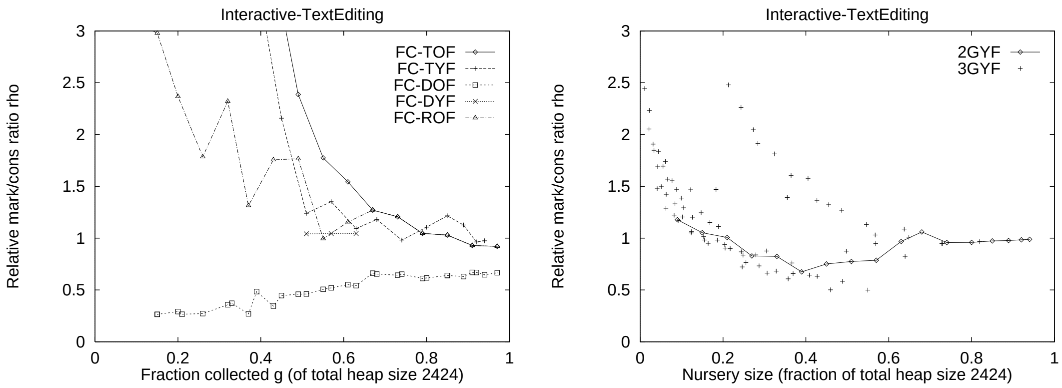
(a) FC schemes (b) GYF schemes

Figure 5.14. Copying cost comparison: Interactive-TextEditing, $V = 1631$.



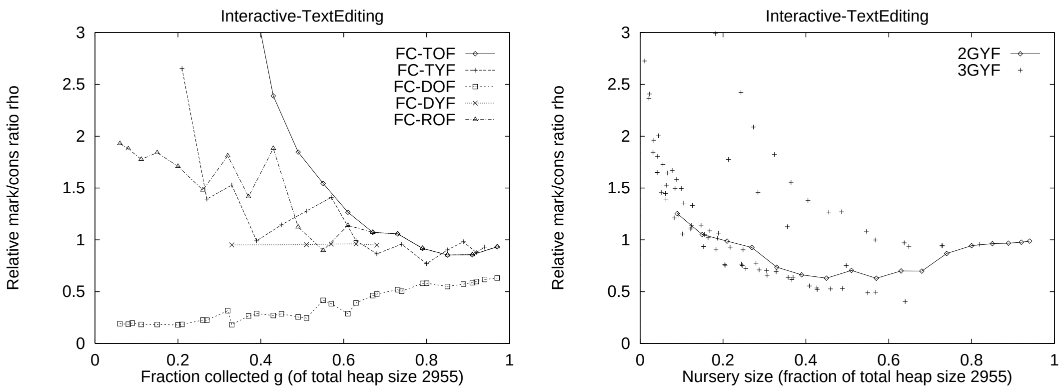
(a) FC schemes (b) GYF schemes

Figure 5.15. Copying cost comparison: Interactive-TextEditing, $V = 1988$.



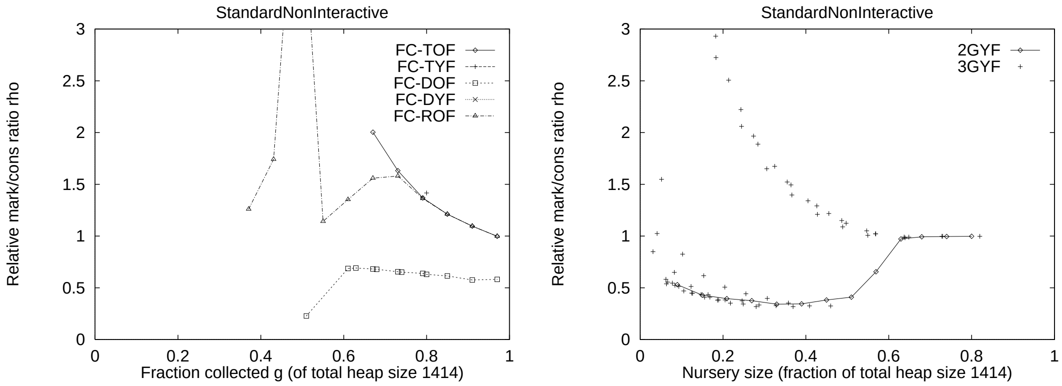
(a) FC schemes (b) GYF schemes

Figure 5.16. Copying cost comparison: Interactive-TextEditing, $V = 2424$.



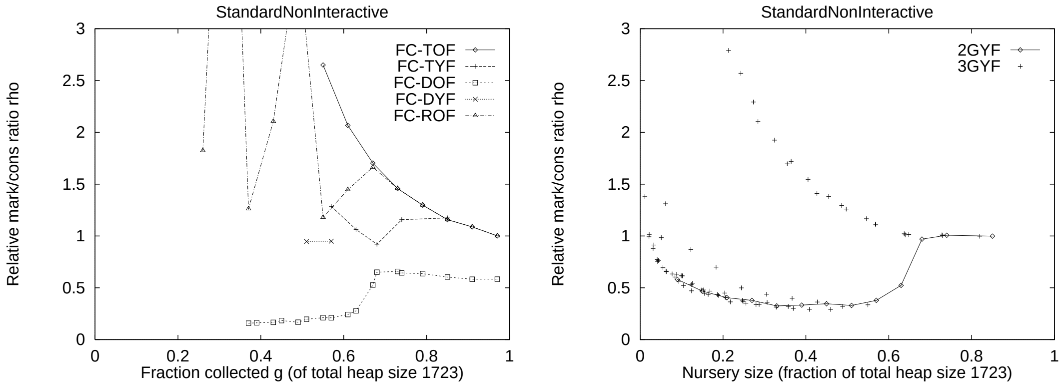
(a) FC schemes (b) GYF schemes

Figure 5.17. Copying cost comparison: Interactive-TextEditing, $V = 2955$.



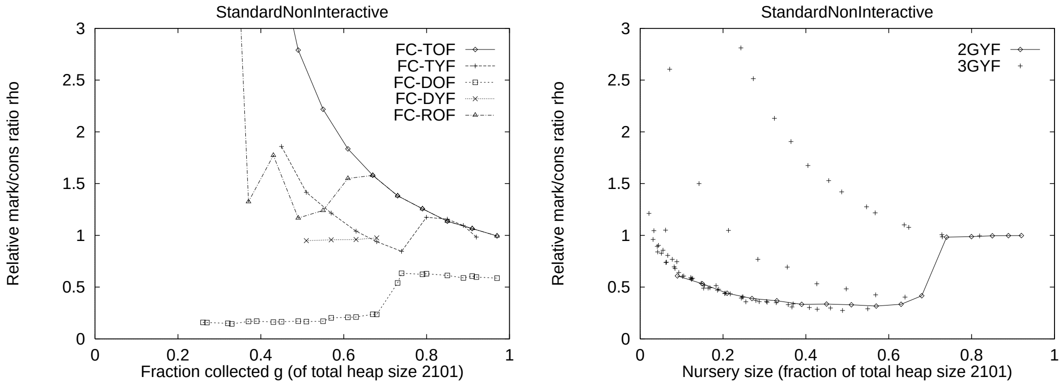
(a) FC schemes (b) GYF schemes

Figure 5.18. Copying cost comparison: StandardNonInteractive, $V = 1414$.



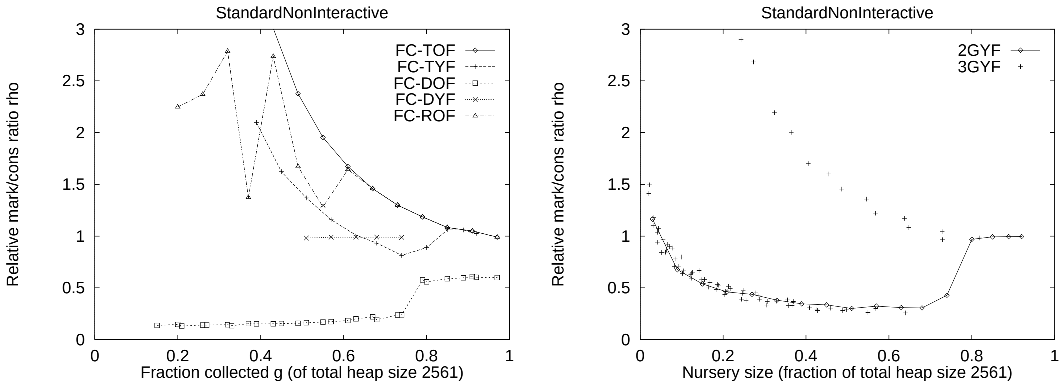
(a) FC schemes (b) GYF schemes

Figure 5.19. Copying cost comparison: StandardNonInteractive, $V = 1723$.



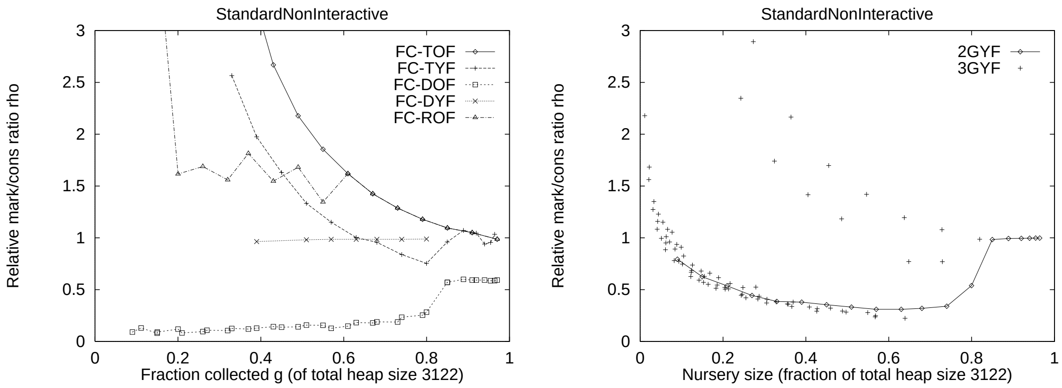
(a) FC schemes (b) GYF schemes

Figure 5.20. Copying cost comparison: StandardNonInteractive, $V = 2101$.



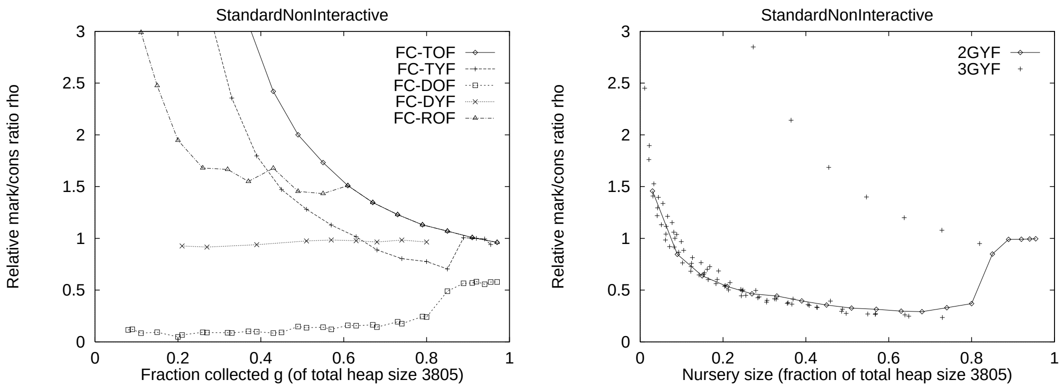
(a) FC schemes (b) GYF schemes

Figure 5.21. Copying cost comparison: StandardNonInteractive, $V = 2561$.



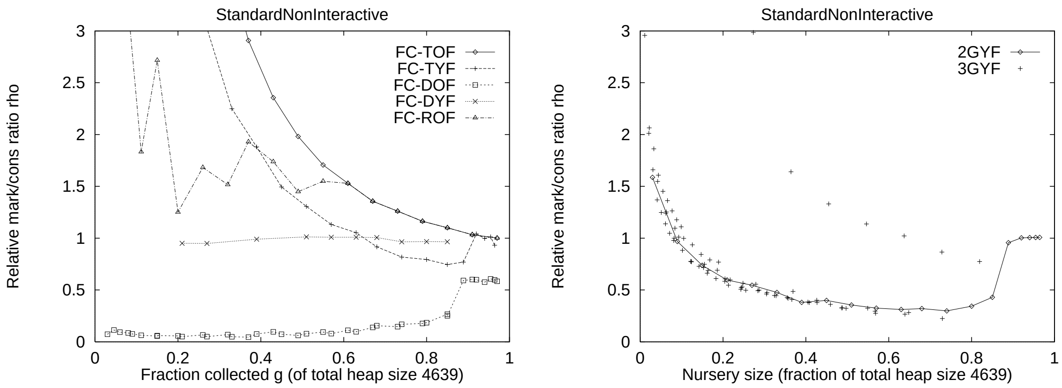
(a) FC schemes (b) GYF schemes

Figure 5.22. Copying cost comparison: StandardNonInteractive, $V = 3122$.



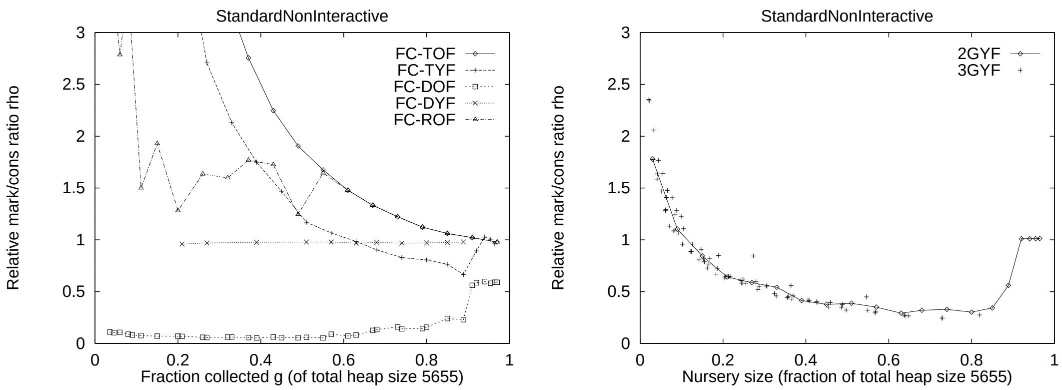
(a) FC schemes (b) GYF schemes

Figure 5.23. Copying cost comparison: StandardNonInteractive, $V = 3805$.



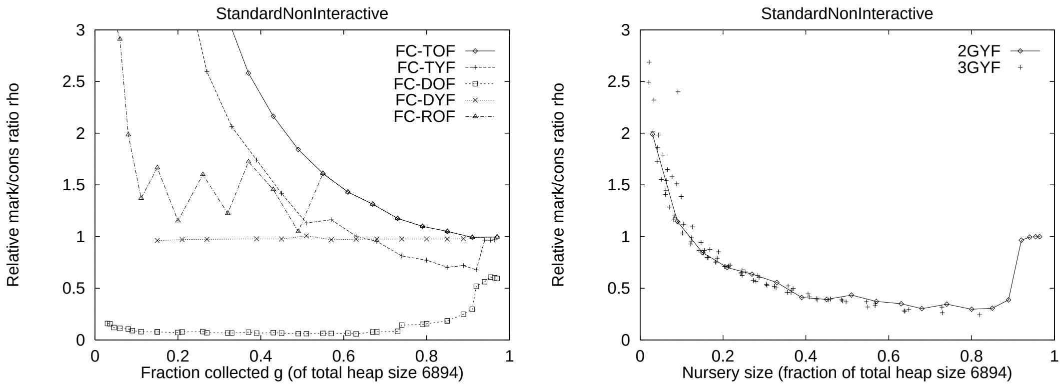
(a) FC schemes (b) GYF schemes

Figure 5.24. Copying cost comparison: StandardNonInteractive, $V = 4639$.



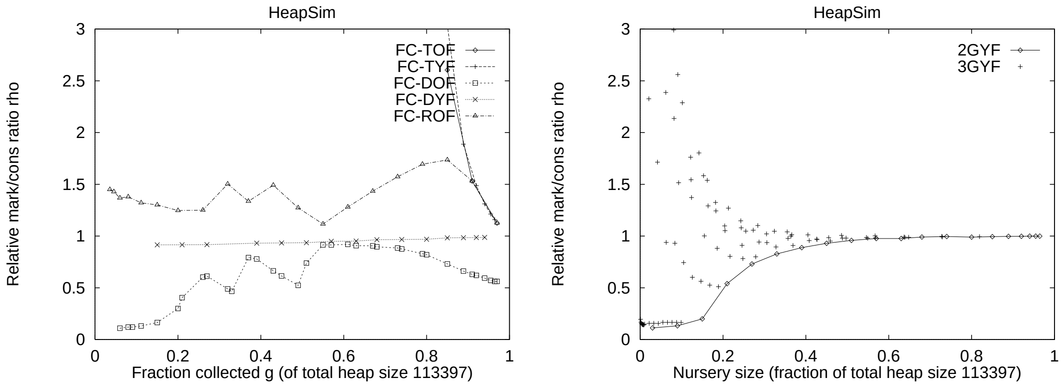
(a) FC schemes (b) GYF schemes

Figure 5.25. Copying cost comparison: StandardNonInteractive, $V = 5655$.



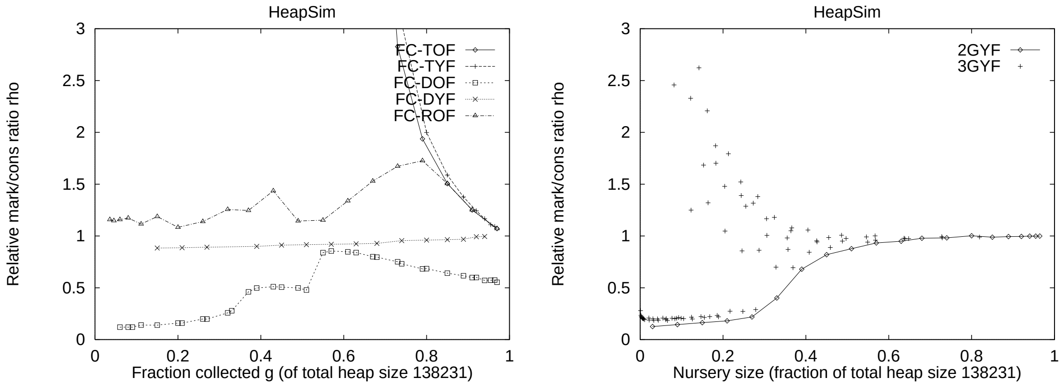
(a) FC schemes (b) GYF schemes

Figure 5.26. Copying cost comparison: StandardNonInteractive, $V = 6894$.



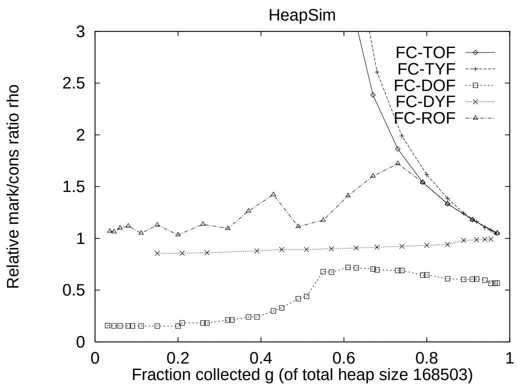
(a) FC schemes (b) GYF schemes

Figure 5.27. Copying cost comparison: HeapSim, $V = 113397$.

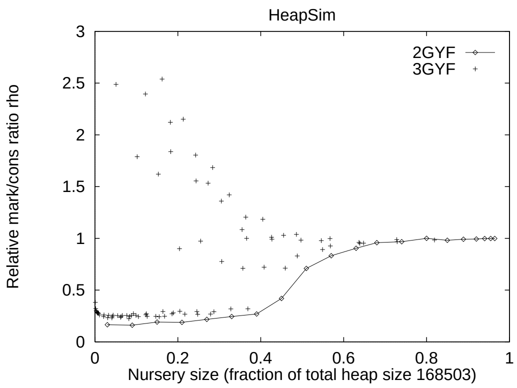


(a) FC schemes (b) GYF schemes

Figure 5.28. Copying cost comparison: HeapSim, $V = 138231$.

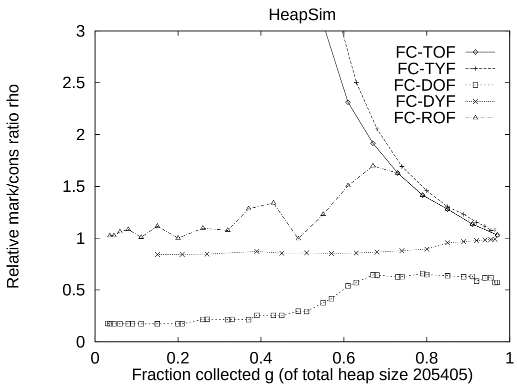


(a) FC schemes

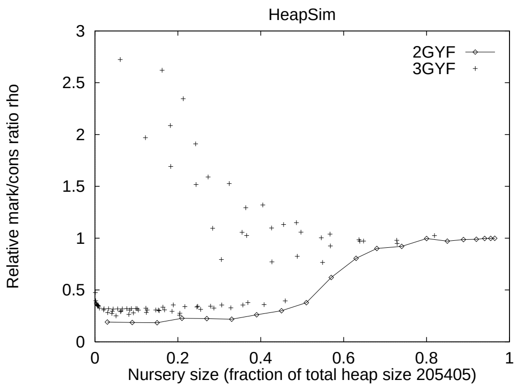


(b) GYF schemes

Figure 5.29. Copying cost comparison: HeapSim, $V = 168503$.

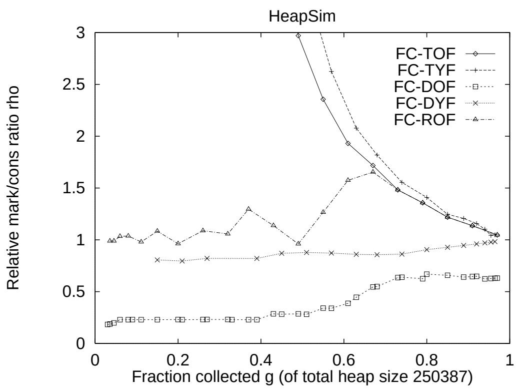


(a) FC schemes

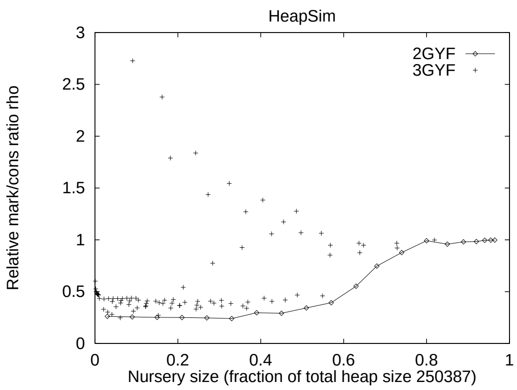


(b) GYF schemes

Figure 5.30. Copying cost comparison: HeapSim, $V = 205405$.

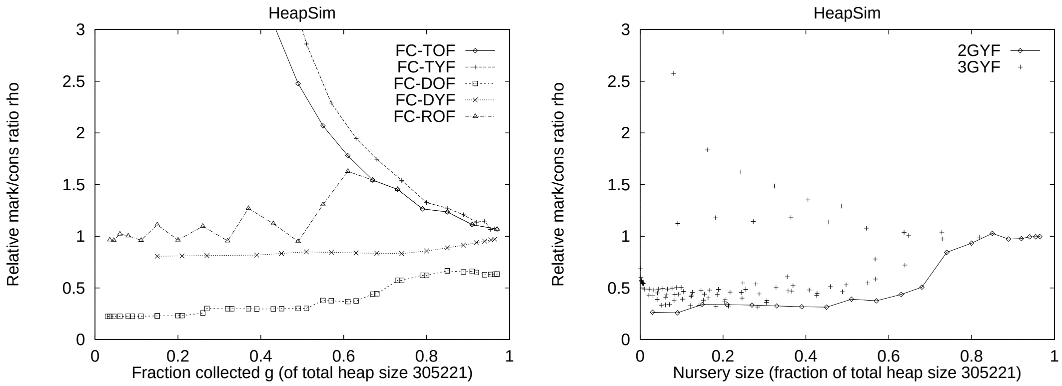


(a) FC schemes



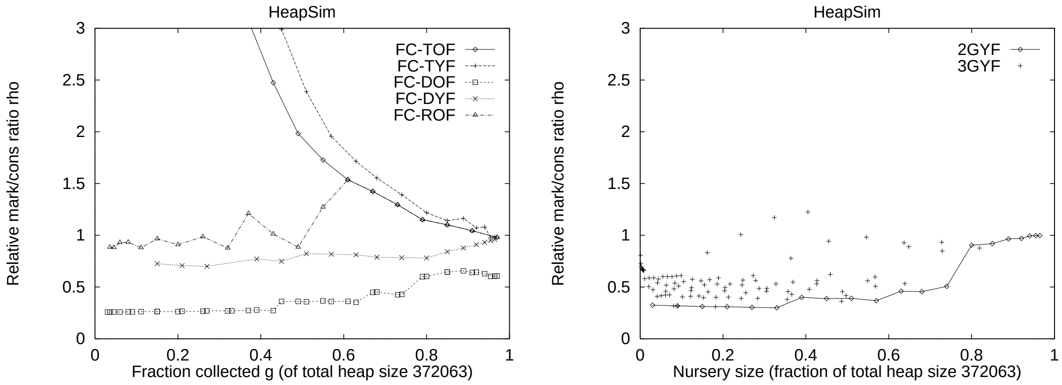
(b) GYF schemes

Figure 5.31. Copying cost comparison: HeapSim, $V = 250387$.



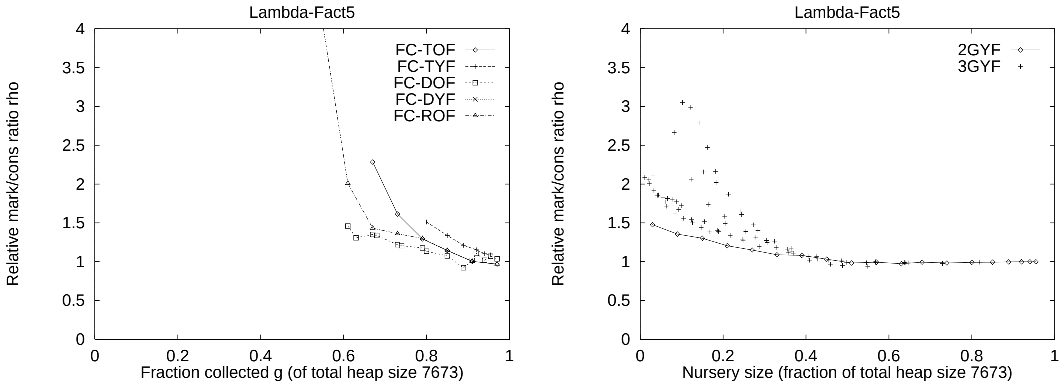
(a) FC schemes (b) GYF schemes

Figure 5.32. Copying cost comparison: HeapSim, $V = 305221$.



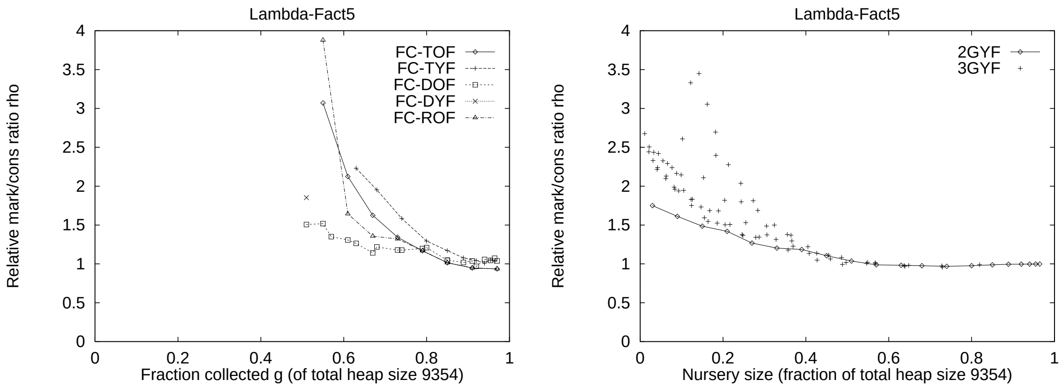
(a) FC schemes (b) GYF schemes

Figure 5.33. Copying cost comparison: HeapSim, $V = 372063$.



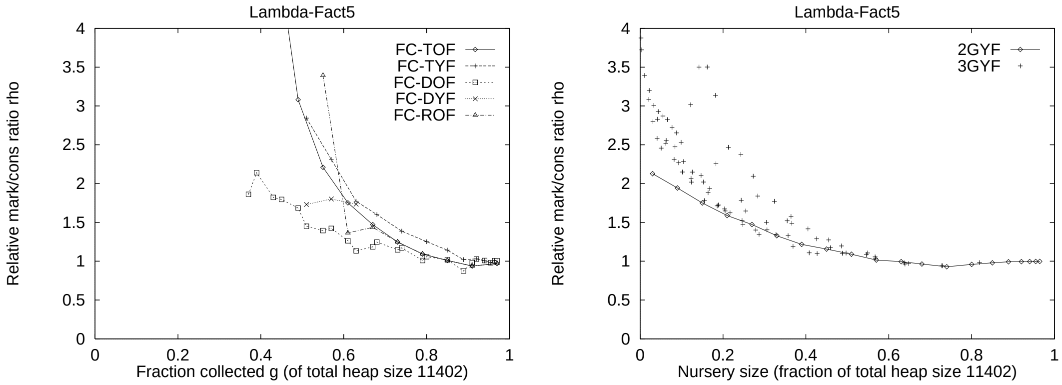
(a) FC schemes (b) GYF schemes

Figure 5.34. Copying cost comparison: Lambda-Fact5, $V = 7673$.



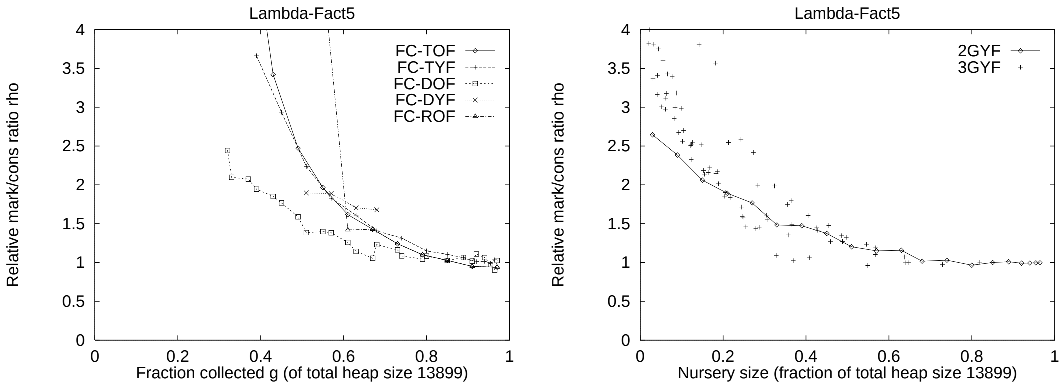
(a) FC schemes (b) GYF schemes

Figure 5.35. Copying cost comparison: Lambda-Fact5, $V = 9354$.



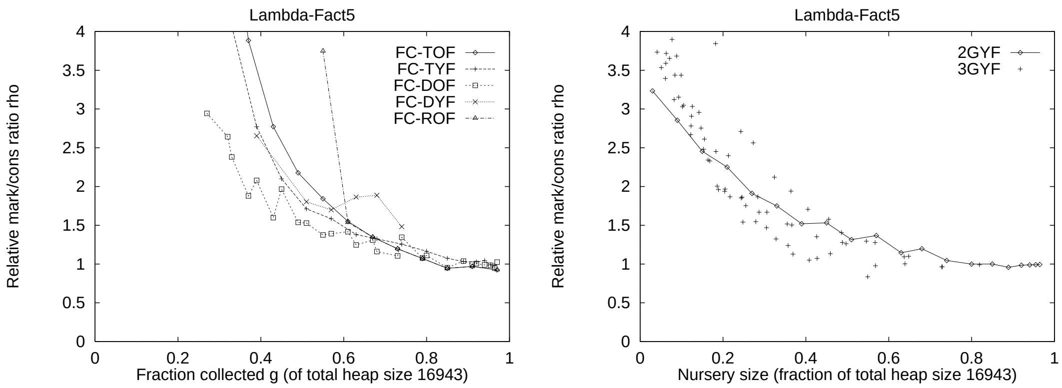
(a) FC schemes (b) GYF schemes

Figure 5.36. Copying cost comparison: Lambda-Fact5, $V = 11402$.



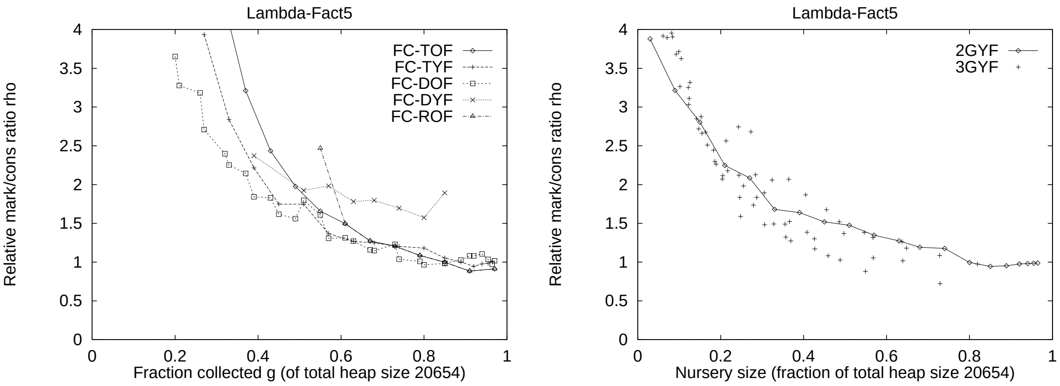
(a) FC schemes (b) GYF schemes

Figure 5.37. Copying cost comparison: Lambda-Fact5, $V = 13899$.



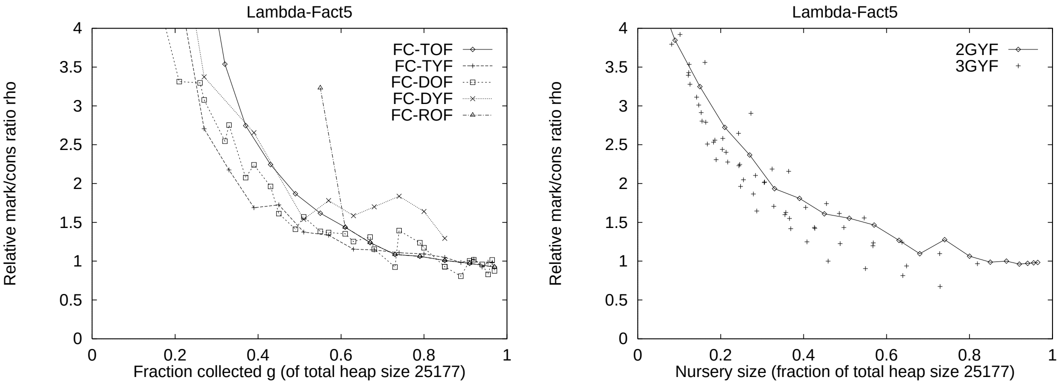
(a) FC schemes (b) GYF schemes

Figure 5.38. Copying cost comparison: Lambda-Fact5, $V = 16943$.



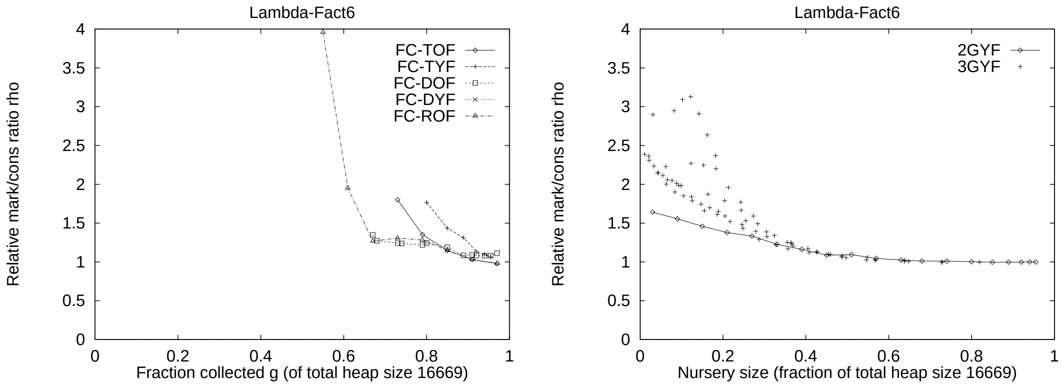
(a) FC schemes (b) GYF schemes

Figure 5.39. Copying cost comparison: Lambda-Fact5, $V = 20654$.



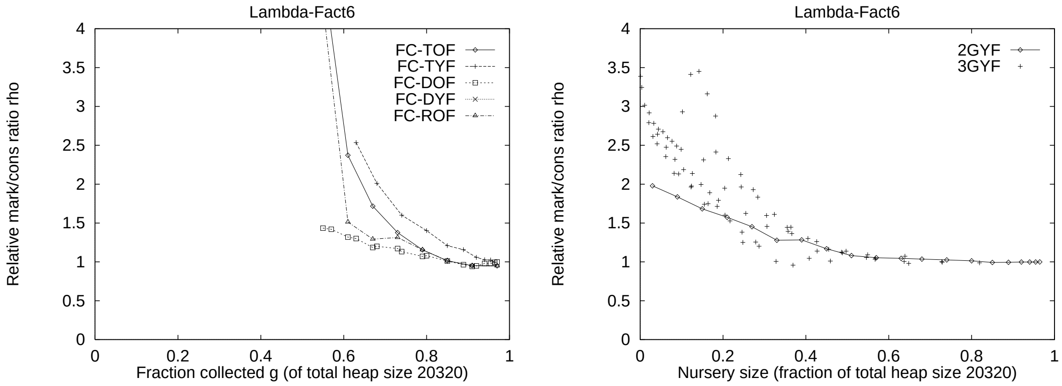
(a) FC schemes (b) GYF schemes

Figure 5.40. Copying cost comparison: Lambda-Fact5, $V = 25177$.



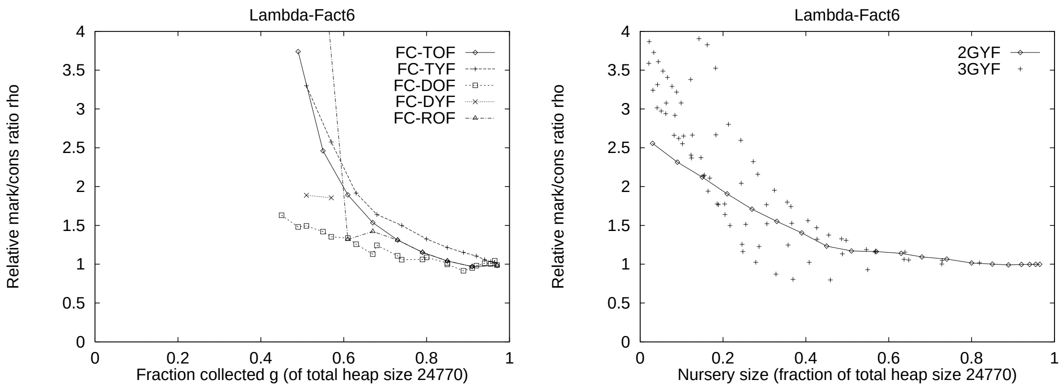
(a) FC schemes (b) GYF schemes

Figure 5.41. Copying cost comparison: Lambda-Fact6, $V = 16669$.



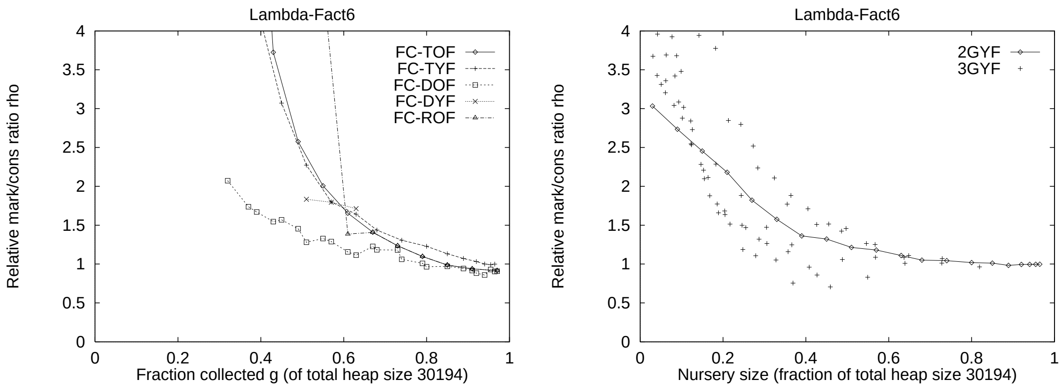
(a) FC schemes (b) GYF schemes

Figure 5.42. Copying cost comparison: Lambda-Fact6, $V = 20320$.



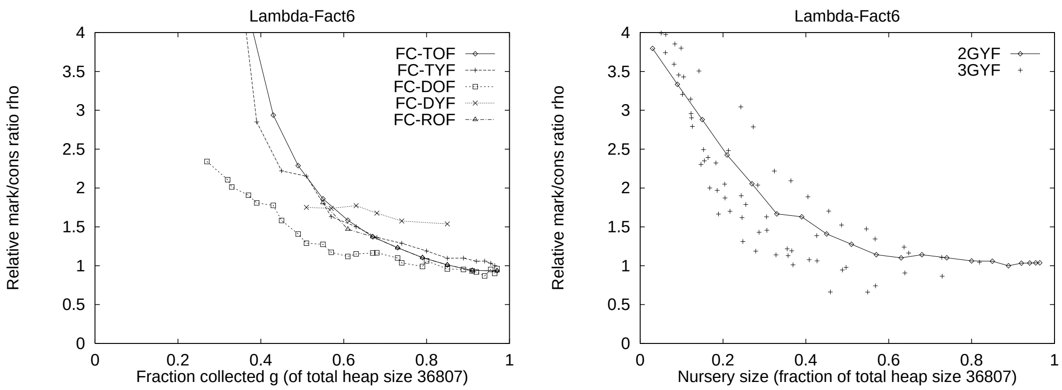
(a) FC schemes (b) GYF schemes

Figure 5.43. Copying cost comparison: Lambda-Fact6, $V = 24770$.



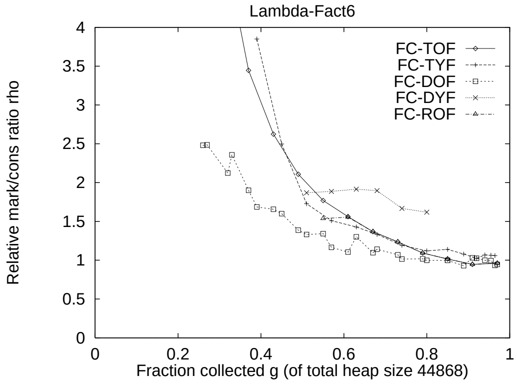
(a) FC schemes (b) GYF schemes

Figure 5.44. Copying cost comparison: Lambda-Fact6, $V = 30194$.

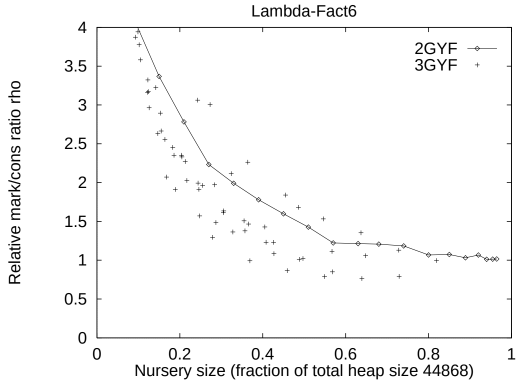


(a) FC schemes (b) GYF schemes

Figure 5.45. Copying cost comparison: Lambda-Fact6, $V = 36807$.

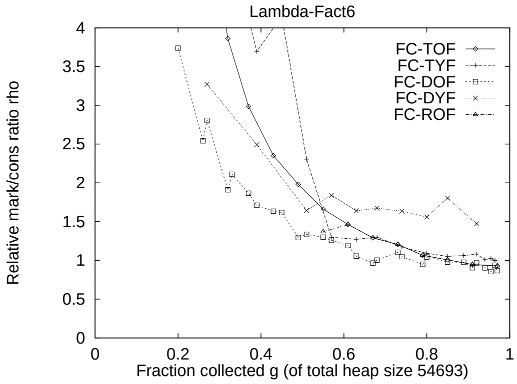


(a) FC schemes

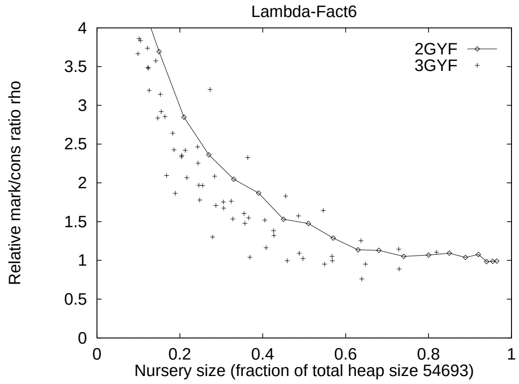


(b) GYF schemes

Figure 5.46. Copying cost comparison: Lambda-Fact6, $V = 44868$.

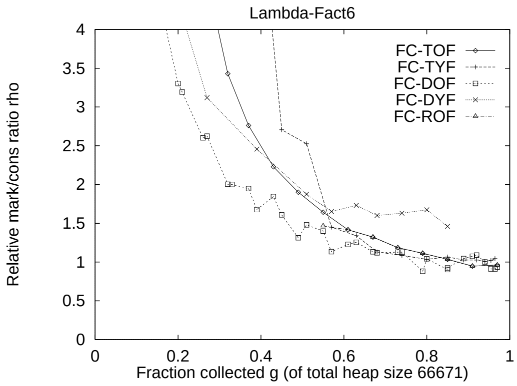


(a) FC schemes

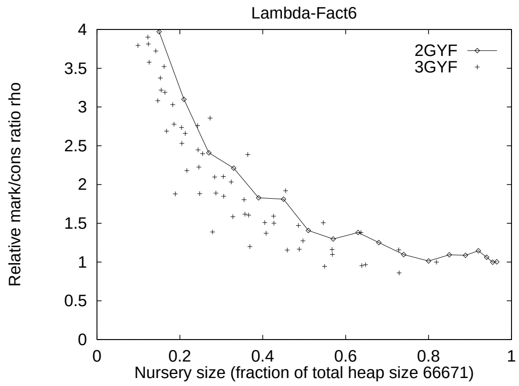


(b) GYF schemes

Figure 5.47. Copying cost comparison: Lambda-Fact6, $V = 54693$.

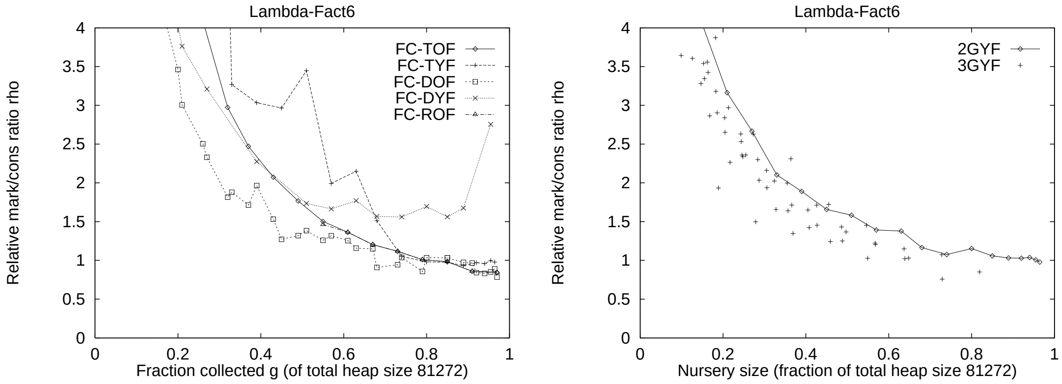


(a) FC schemes



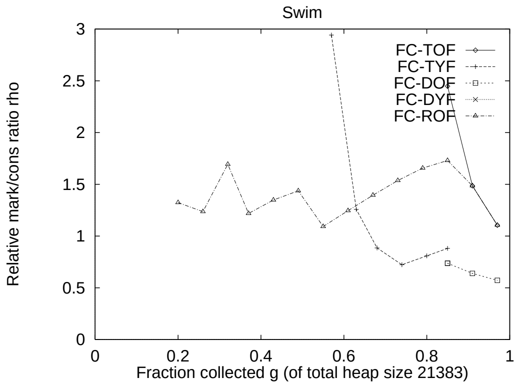
(b) GYF schemes

Figure 5.48. Copying cost comparison: Lambda-Fact6, $V = 66671$.

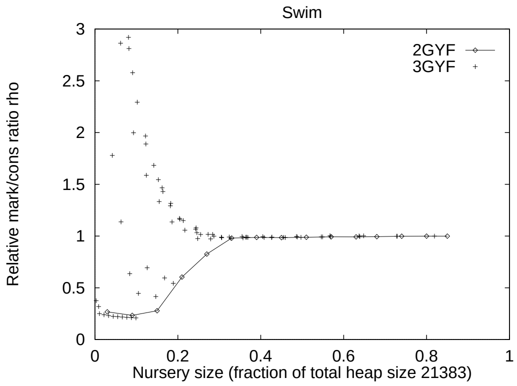


(a) FC schemes (b) GYF schemes

Figure 5.49. Copying cost comparison: Lambda-Fact6, $V = 81272$.

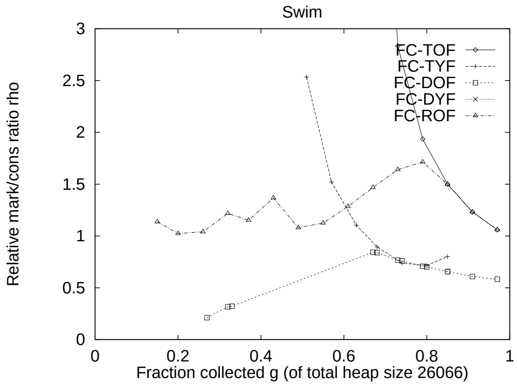


(a) FC schemes

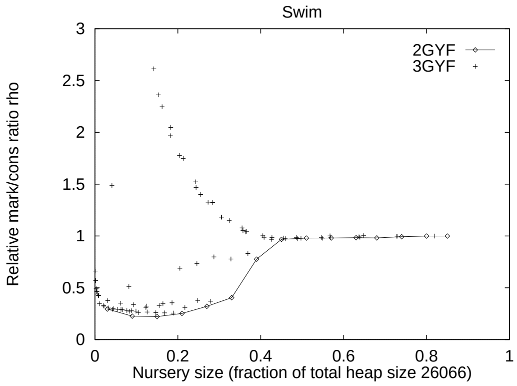


(b) GYF schemes

Figure 5.50. Copying cost comparison: Swim, $V = 21383$.

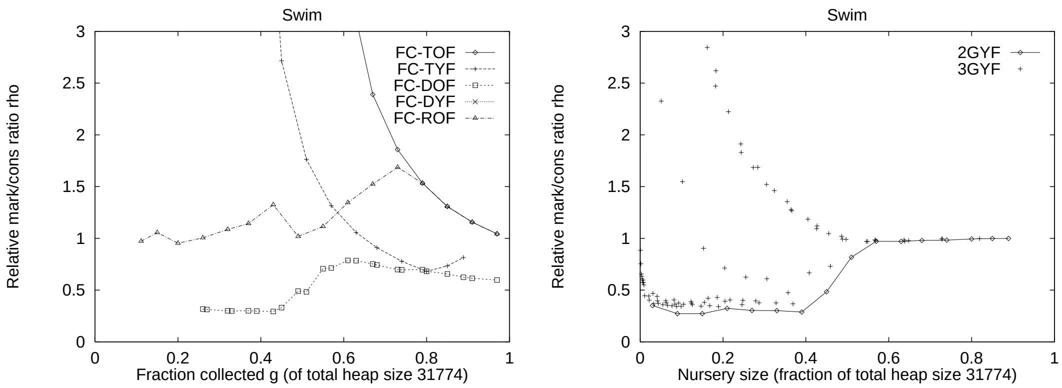


(a) FC schemes



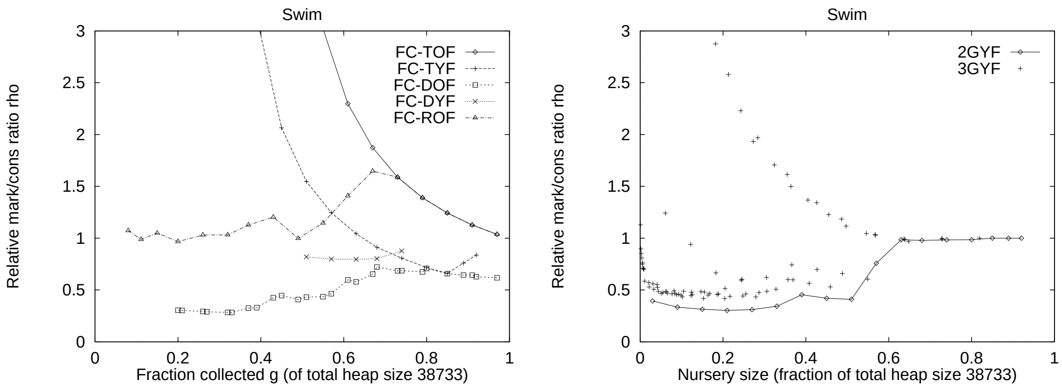
(b) GYF schemes

Figure 5.51. Copying cost comparison: Swim, $V = 26066$.



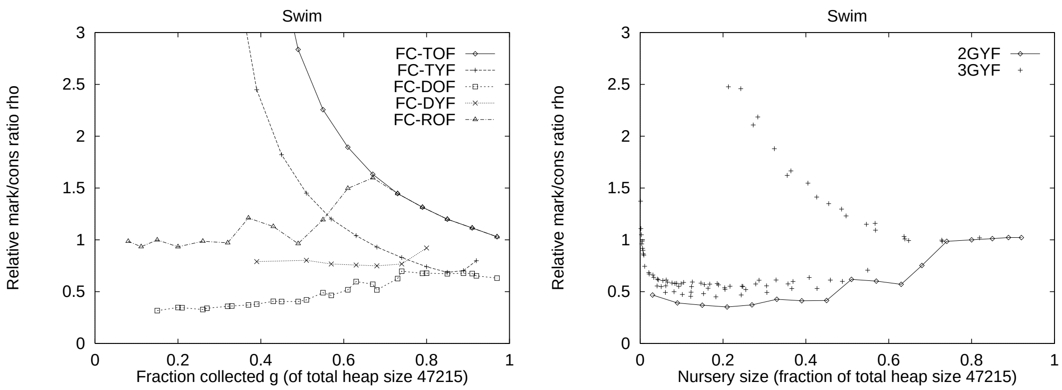
(a) FC schemes (b) GYF schemes

Figure 5.52. Copying cost comparison: Swim, $V = 31774$.



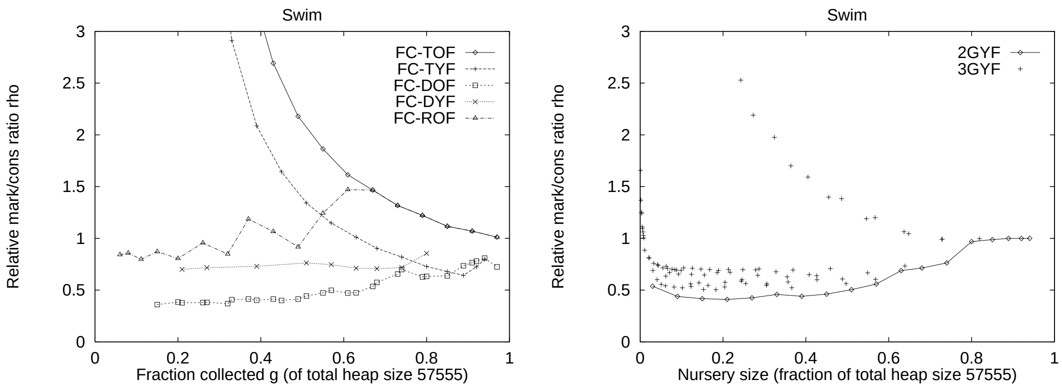
(a) FC schemes (b) GYF schemes

Figure 5.53. Copying cost comparison: Swim, $V = 38733$.



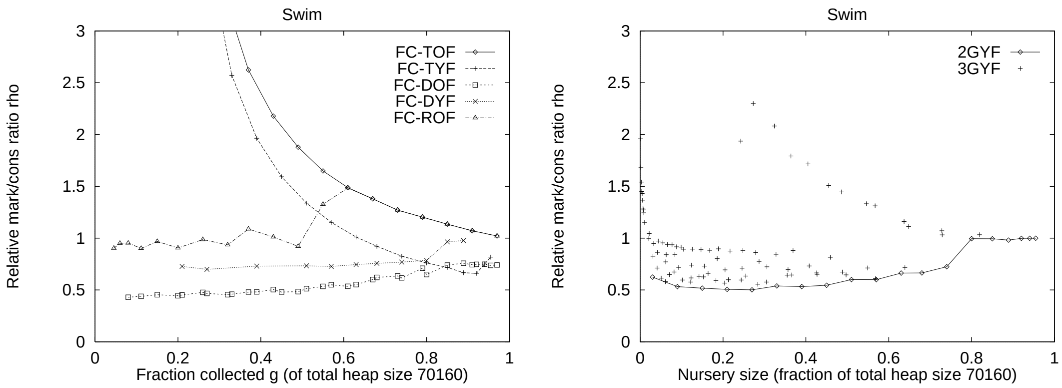
(a) FC schemes (b) GYF schemes

Figure 5.54. Copying cost comparison: Swim, $V = 47215$.



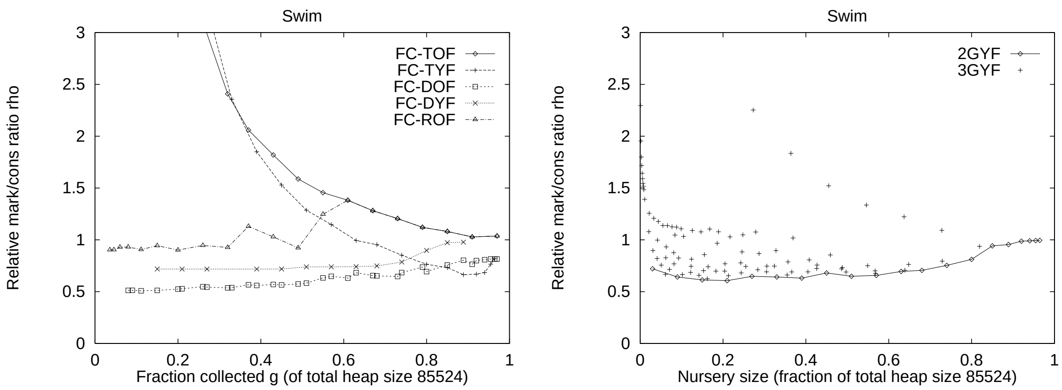
(a) FC schemes (b) GYF schemes

Figure 5.55. Copying cost comparison: Swim, $V = 57555$.



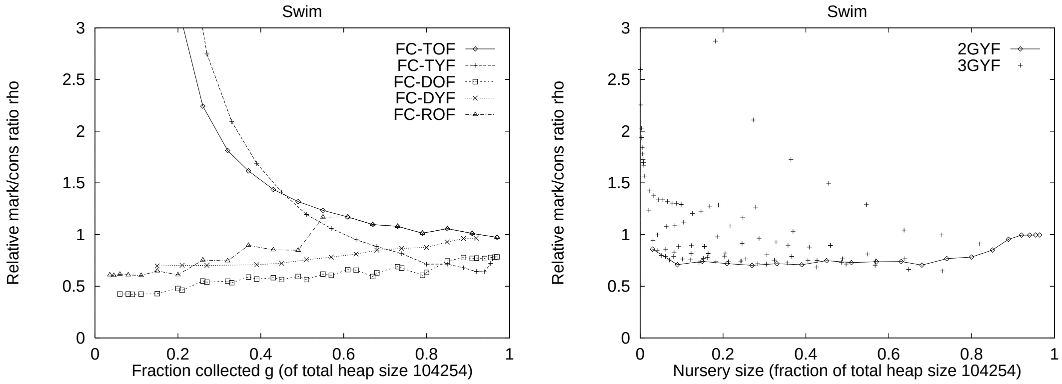
(a) FC schemes (b) GYF schemes

Figure 5.56. Copying cost comparison: Swim, $V = 70160$.



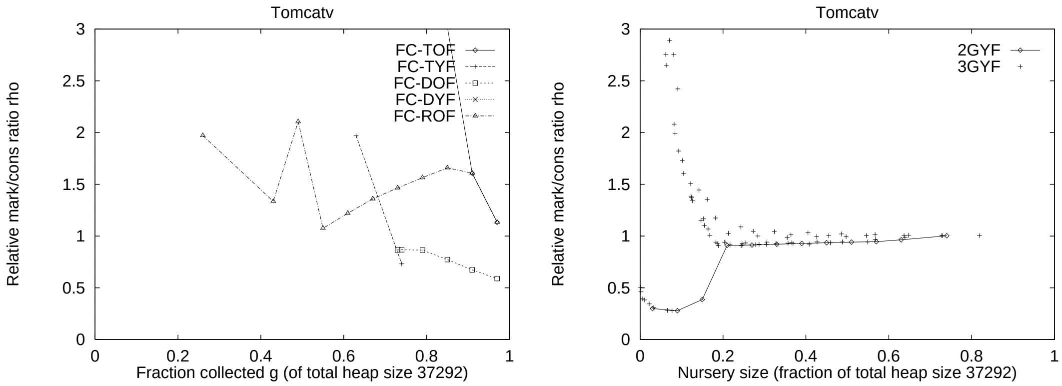
(a) FC schemes (b) GYF schemes

Figure 5.57. Copying cost comparison: Swim, $V = 85524$.



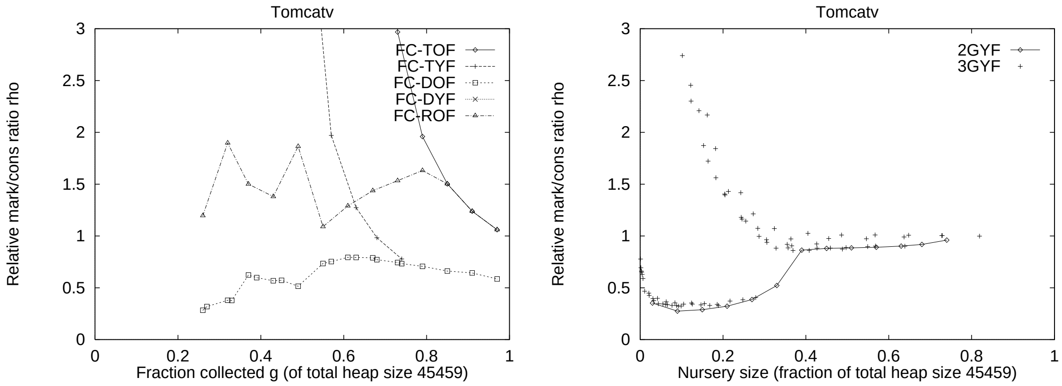
(a) FC schemes (b) GYF schemes

Figure 5.58. Copying cost comparison: Swim, $V = 104254$.



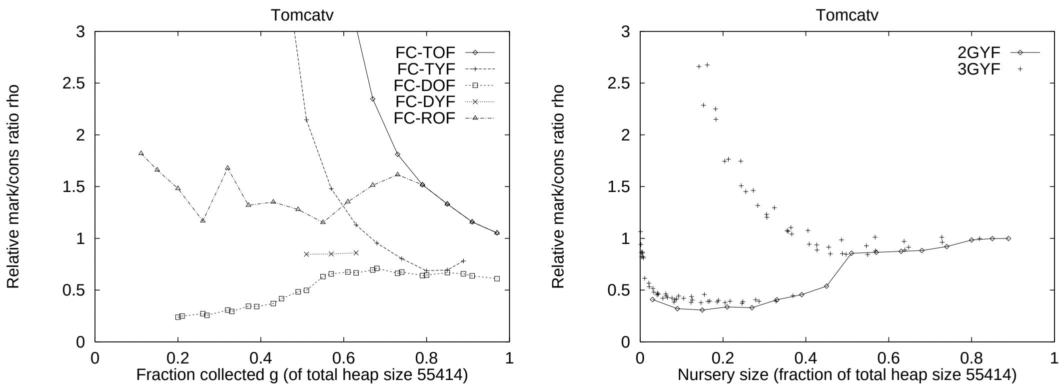
(a) FC schemes (b) GYF schemes

Figure 5.59. Copying cost comparison: Tomcatv, $V = 37292$.



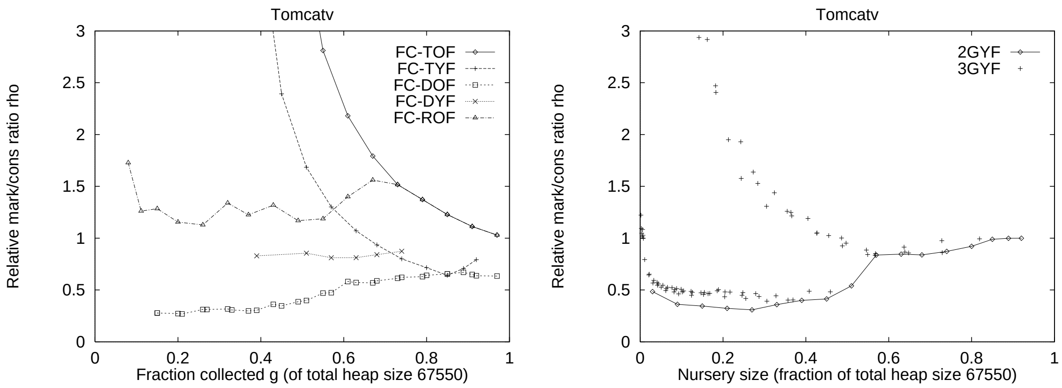
(a) FC schemes (b) GYF schemes

Figure 5.60. Copying cost comparison: Tomcatv, $V = 45459$.



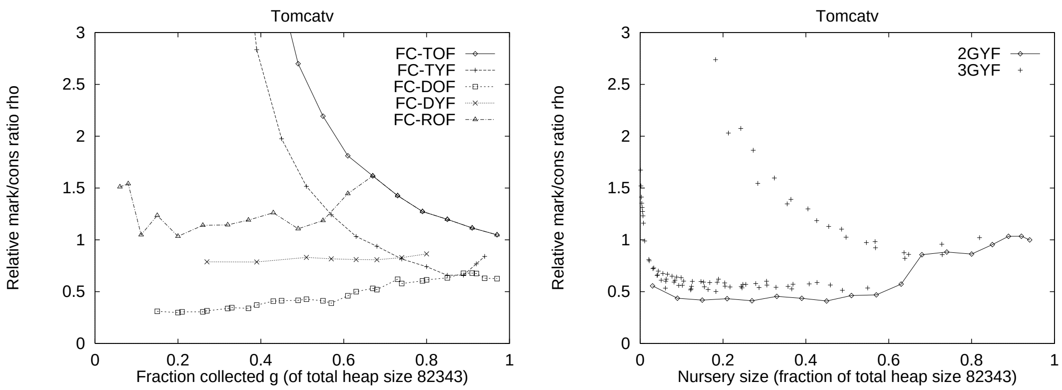
(a) FC schemes (b) GYF schemes

Figure 5.61. Copying cost comparison: Tomcatv, $V = 55414$.



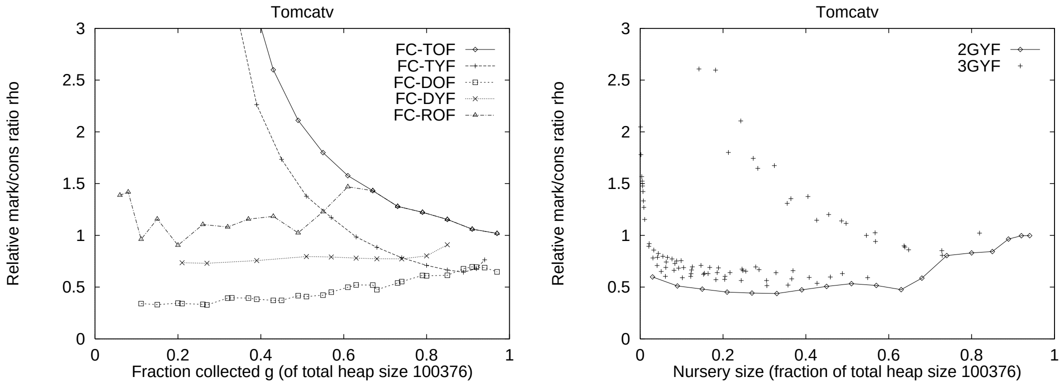
(a) FC schemes (b) GYF schemes

Figure 5.62. Copying cost comparison: Tomcatv, $V = 67550$.



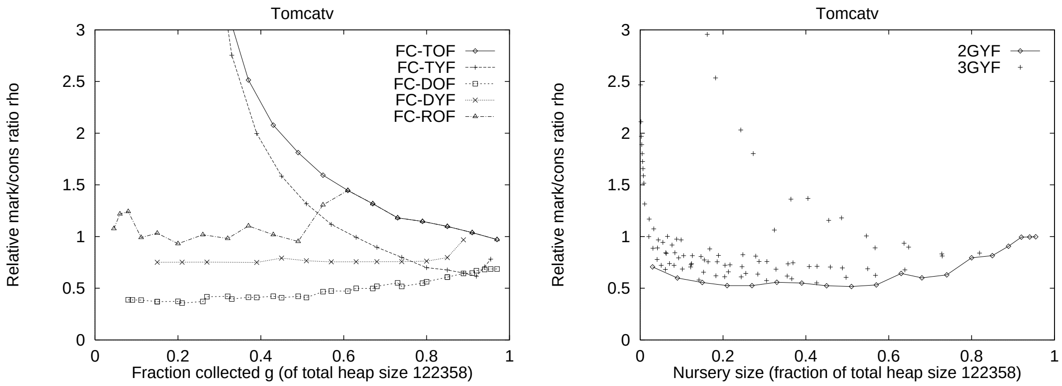
(a) FC schemes (b) GYF schemes

Figure 5.63. Copying cost comparison: Tomcatv, $V = 82343$.



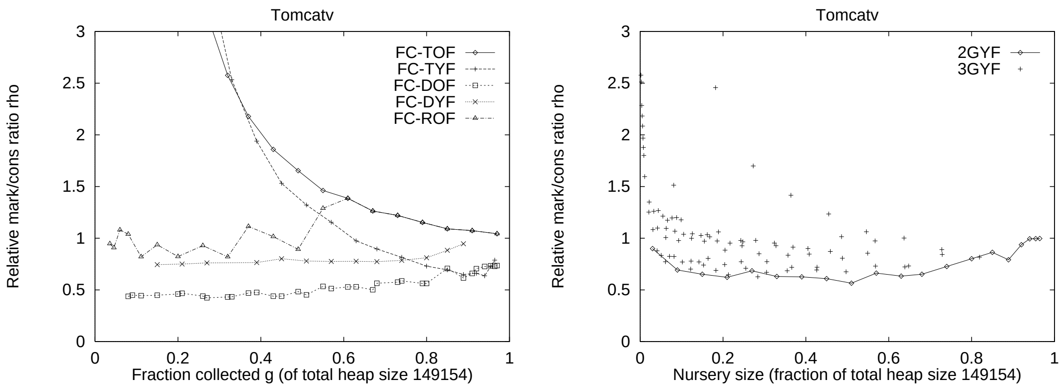
(a) FC schemes (b) GYF schemes

Figure 5.64. Copying cost comparison: Tomcatv, $V = 100376$.



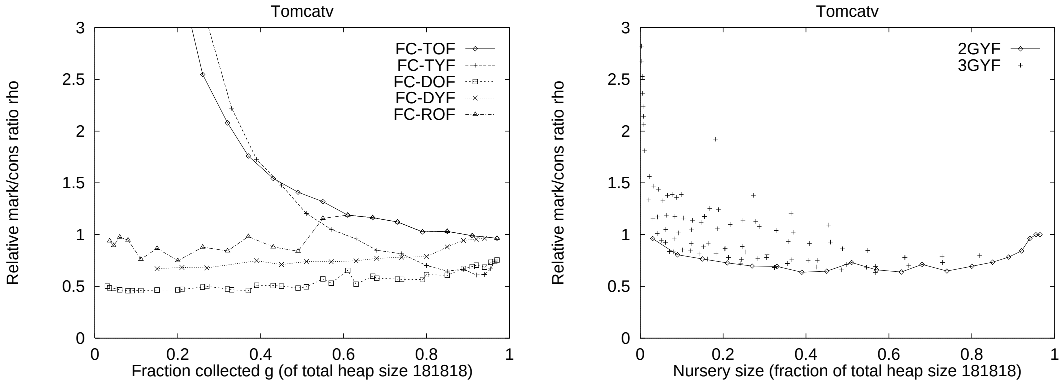
(a) FC schemes (b) GYF schemes

Figure 5.65. Copying cost comparison: Tomcatv, $V = 122358$.



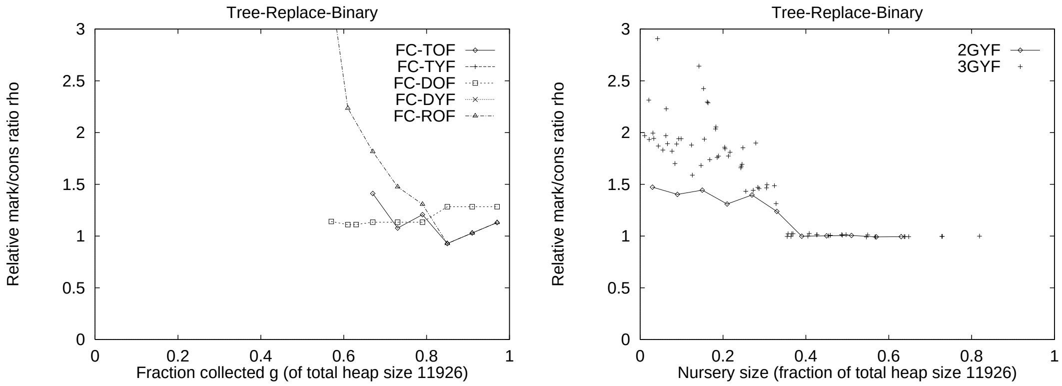
(a) FC schemes (b) GYF schemes

Figure 5.66. Copying cost comparison: Tomcatv, $V = 149154$.



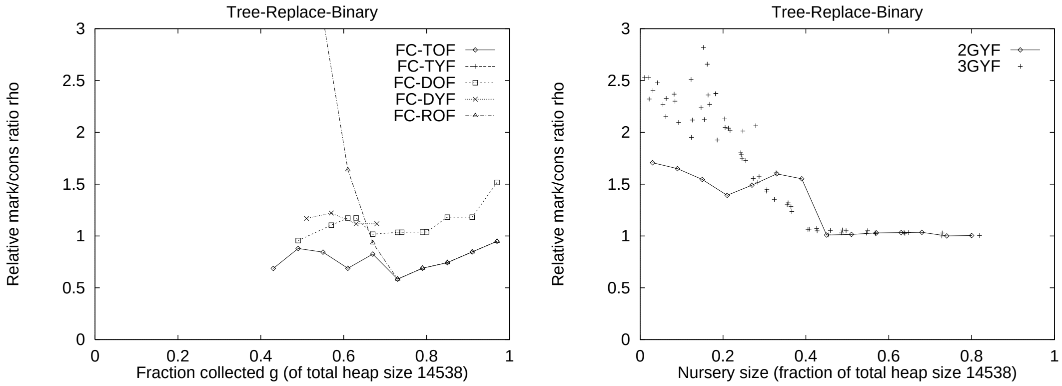
(a) FC schemes (b) GYF schemes

Figure 5.67. Copying cost comparison: Tomcatv, $V = 181818$.



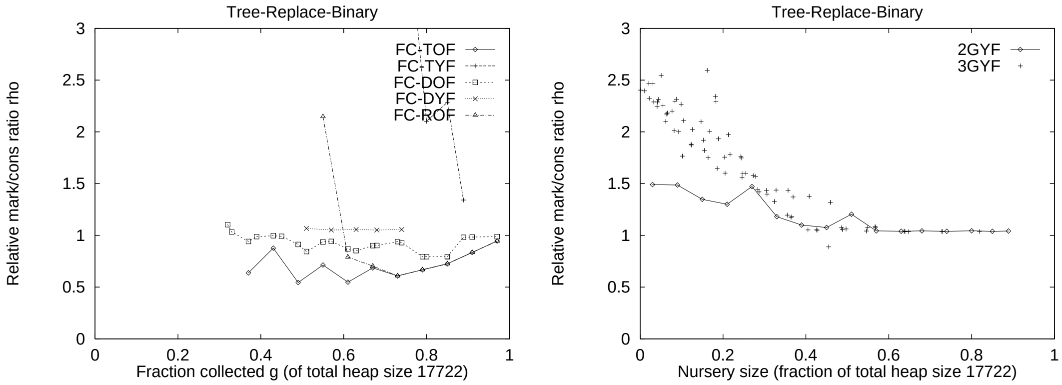
(a) FC schemes (b) GYF schemes

Figure 5.68. Copying cost comparison: Tree-Replace-Binary, $V = 11926$.



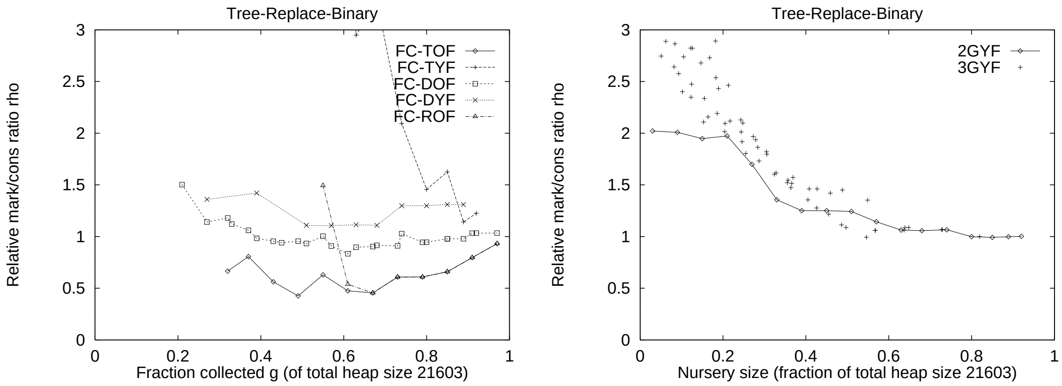
(a) FC schemes (b) GYF schemes

Figure 5.69. Copying cost comparison: Tree-Replace-Binary, $V = 14538$.



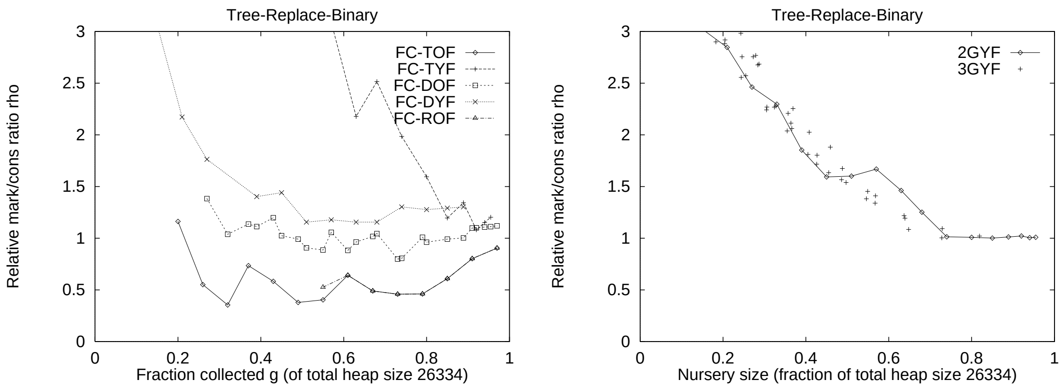
(a) FC schemes (b) GYF schemes

Figure 5.70. Copying cost comparison: Tree-Replace-Binary, $V = 17722$.



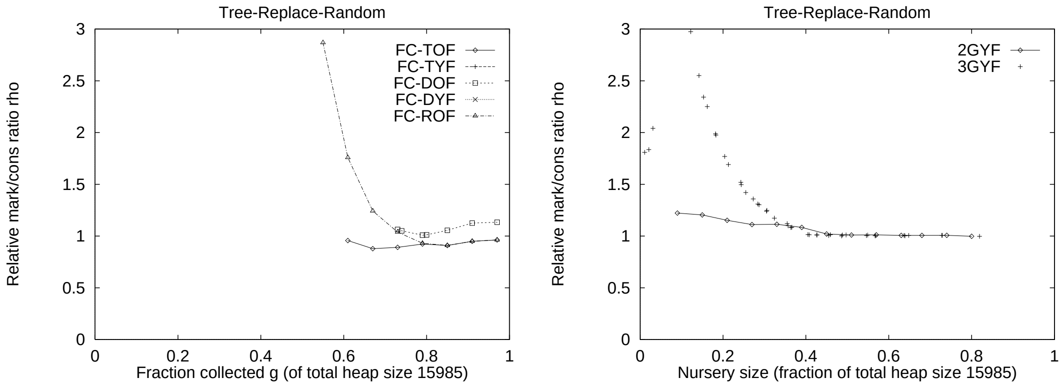
(a) FC schemes (b) GYF schemes

Figure 5.71. Copying cost comparison: Tree-Replace-Binary, $V = 21603$.



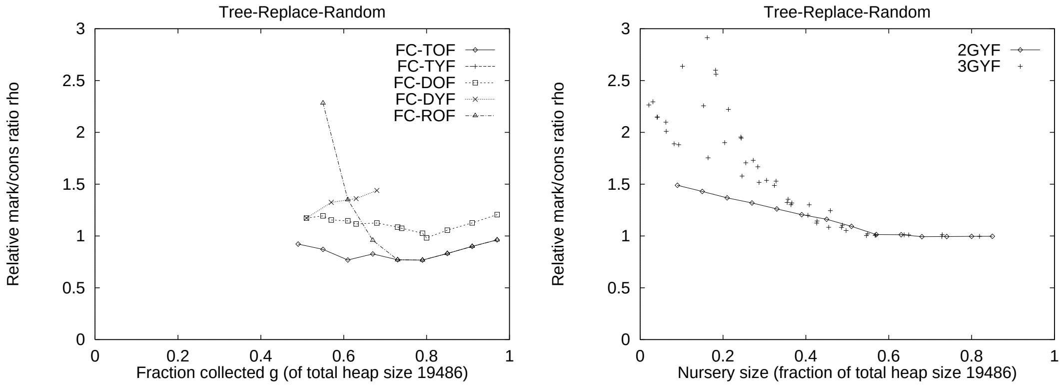
(a) FC schemes (b) GYF schemes

Figure 5.72. Copying cost comparison: Tree-Replace-Binary, $V = 26334$.



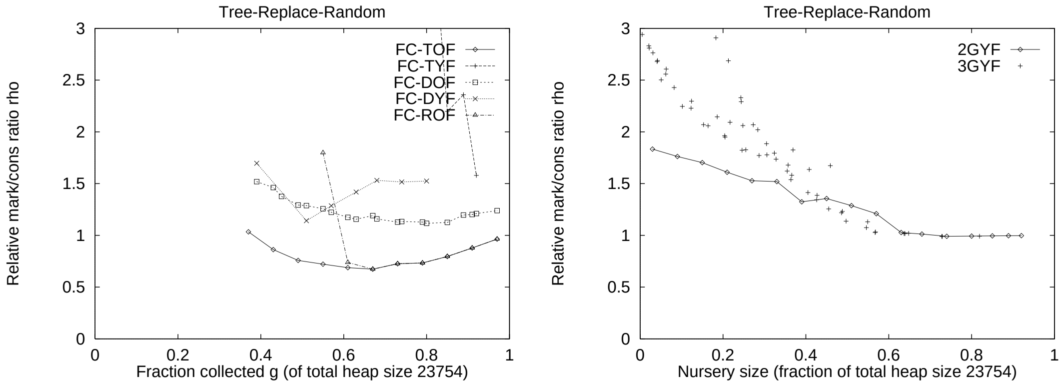
(a) FC schemes (b) GYF schemes

Figure 5.73. Copying cost comparison: Tree-Replace-Random, $V = 15985$.



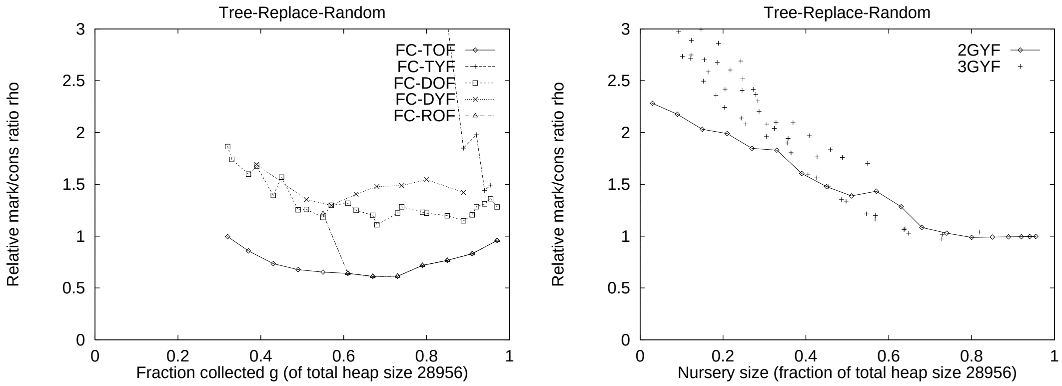
(a) FC schemes (b) GYF schemes

Figure 5.74. Copying cost comparison: Tree-Replace-Random, $V = 19486$.



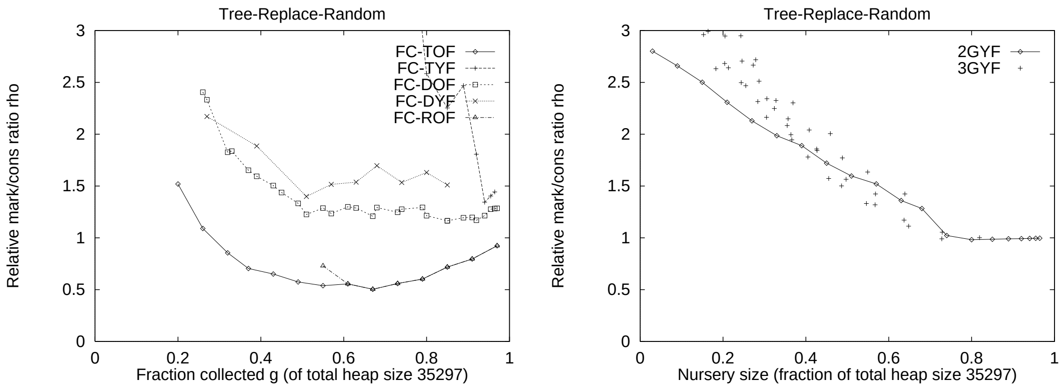
(a) FC schemes (b) GYF schemes

Figure 5.75. Copying cost comparison: Tree-Replace-Random, $V = 23754$.



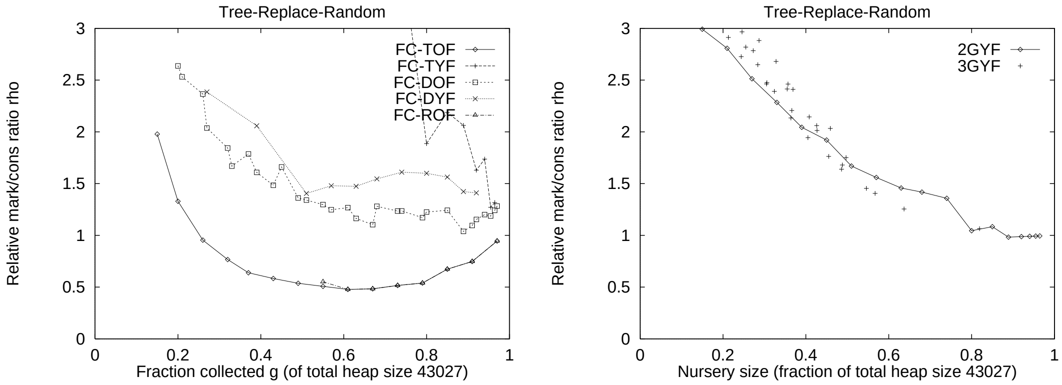
(a) FC schemes (b) GYF schemes

Figure 5.76. Copying cost comparison: Tree-Replace-Random, $V = 28956$.



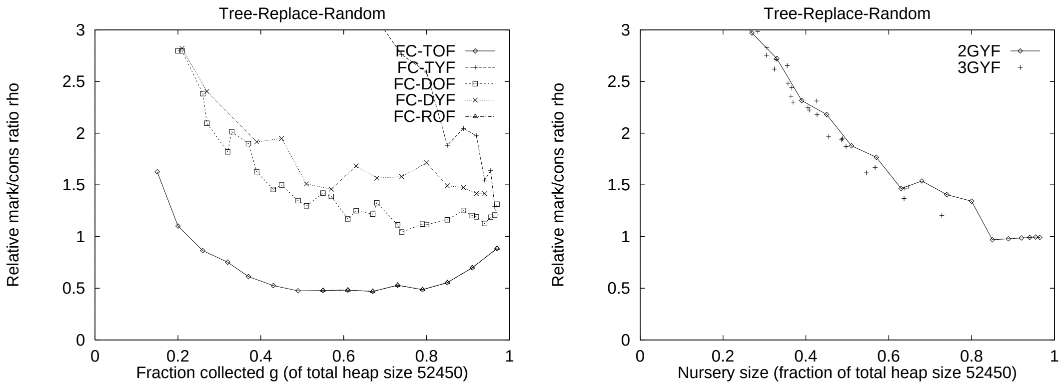
(a) FC schemes (b) GYF schemes

Figure 5.77. Copying cost comparison: Tree-Replace-Random, $V = 35297$.



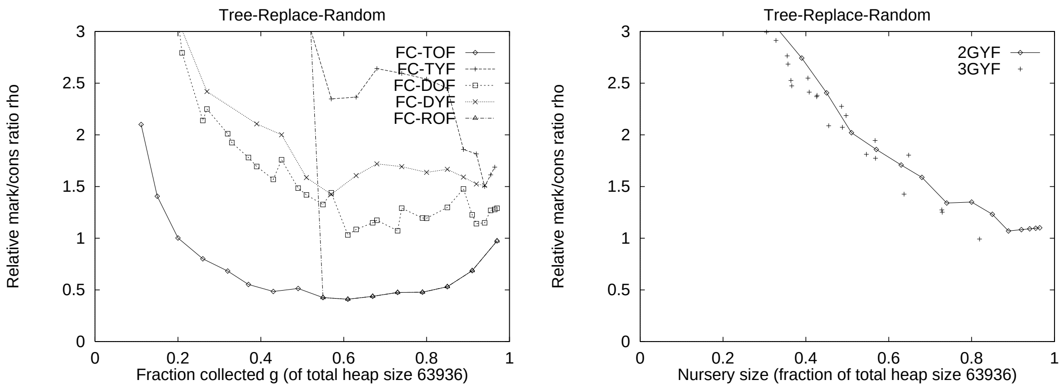
(a) FC schemes (b) GYF schemes

Figure 5.78. Copying cost comparison: Tree-Replace-Random, $V = 43027$.



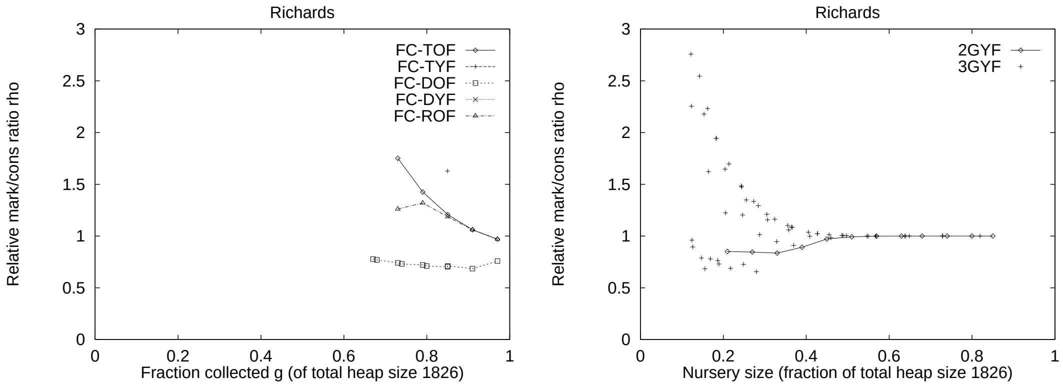
(a) FC schemes (b) GYF schemes

Figure 5.79. Copying cost comparison: Tree-Replace-Random, $V = 52450$.



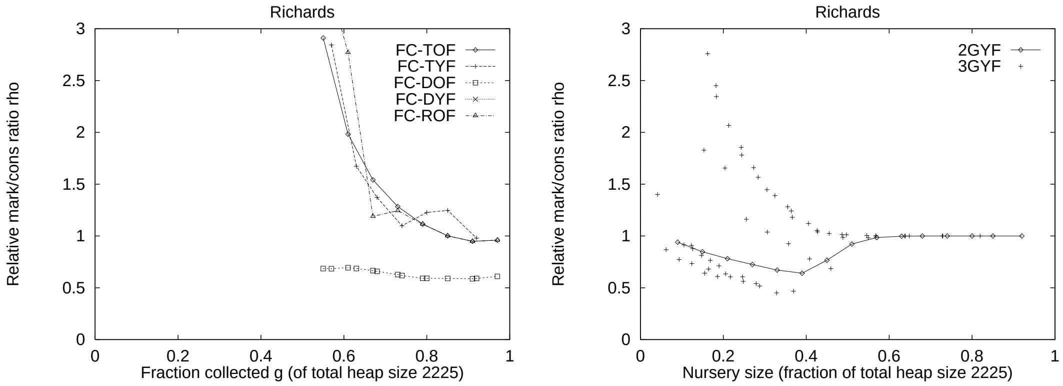
(a) FC schemes (b) GYF schemes

Figure 5.80. Copying cost comparison: Tree-Replace-Random, $V = 63936$.



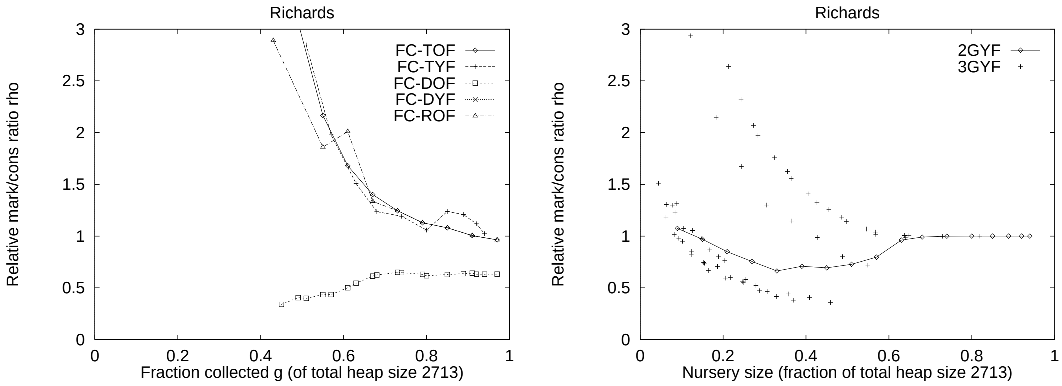
(a) FC schemes (b) GYF schemes

Figure 5.81. Copying cost comparison: Richards, $V = 1826$.



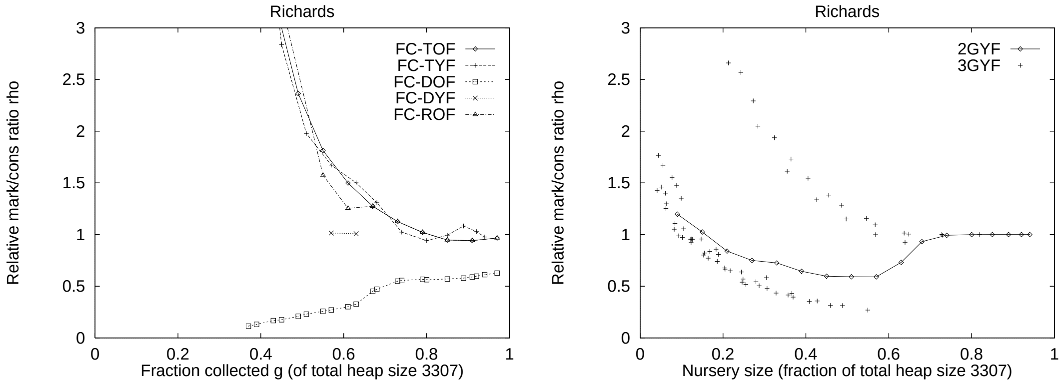
(a) FC schemes (b) GYF schemes

Figure 5.82. Copying cost comparison: Richards, $V = 2225$.



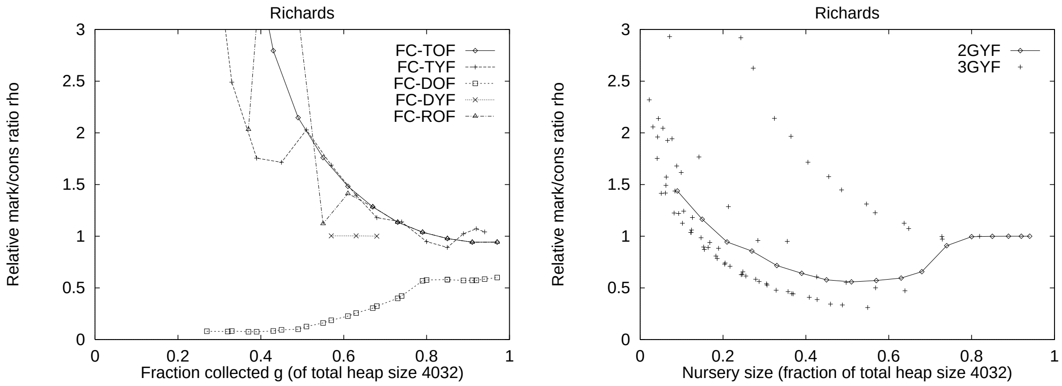
(a) FC schemes (b) GYF schemes

Figure 5.83. Copying cost comparison: Richards, $V = 2713$.



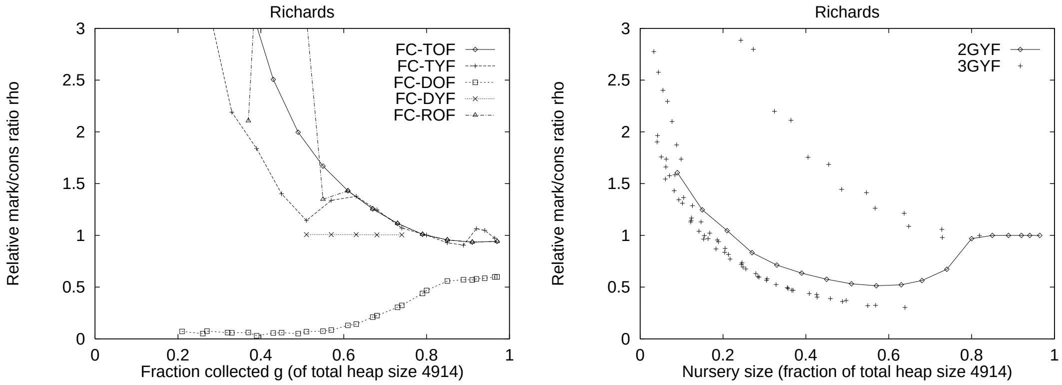
(a) FC schemes (b) GYF schemes

Figure 5.84. Copying cost comparison: Richards, $V = 3307$.



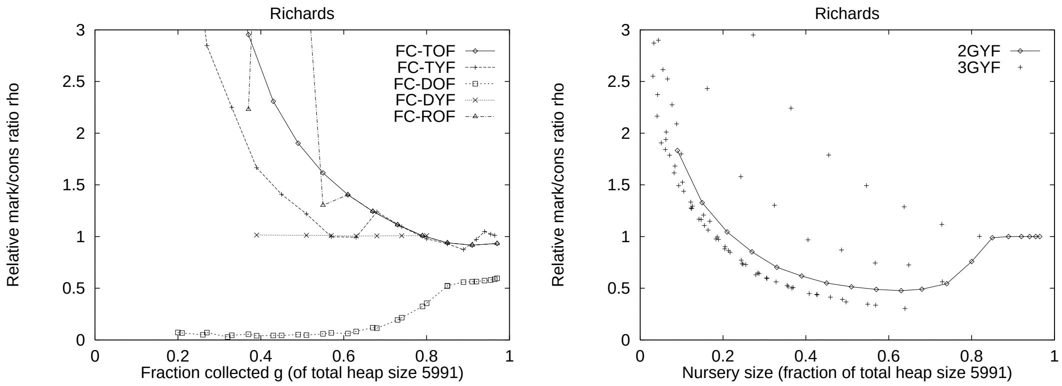
(a) FC schemes (b) GYF schemes

Figure 5.85. Copying cost comparison: Richards, $V = 4032$.



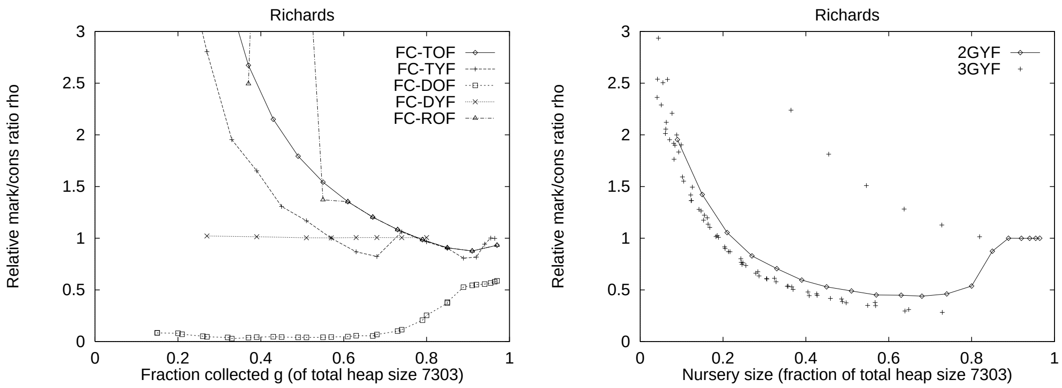
(a) FC schemes (b) GYF schemes

Figure 5.86. Copying cost comparison: Richards, $V = 4914$.



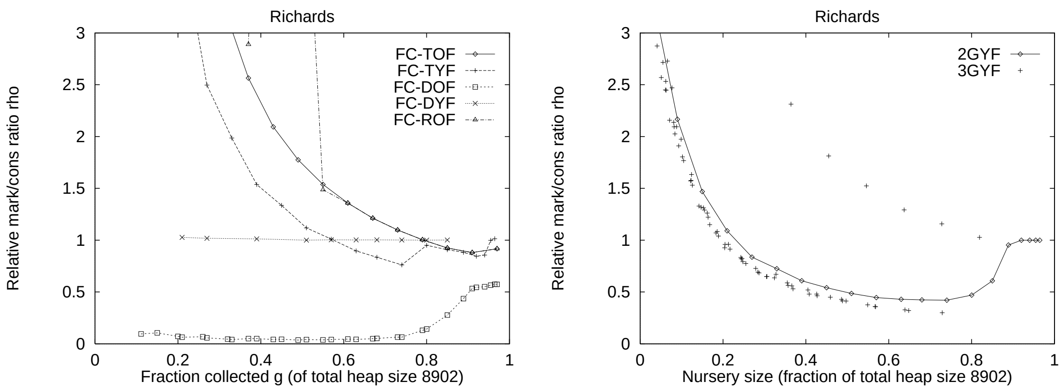
(a) FC schemes (b) GYF schemes

Figure 5.87. Copying cost comparison: Richards, $V = 5991$.



(a) FC schemes (b) GYF schemes

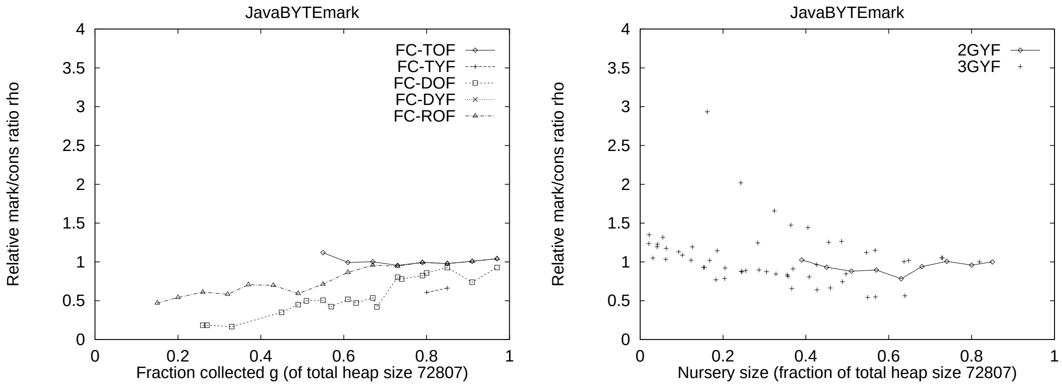
Figure 5.88. Copying cost comparison: Richards, $V = 7303$.



(a) FC schemes

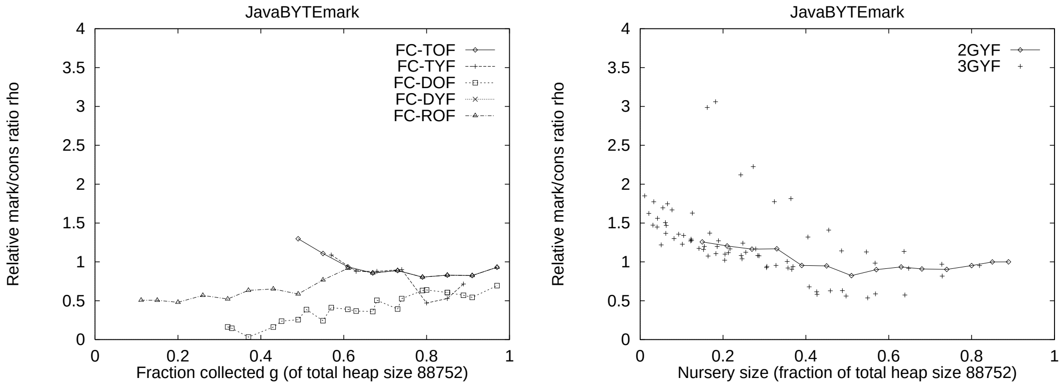
(b) GYF schemes

Figure 5.89. Copying cost comparison: Richards, $V = 8902$.



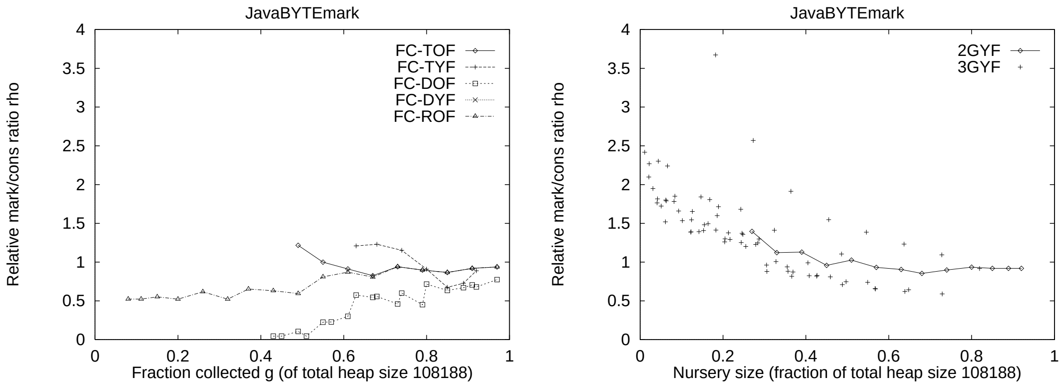
(a) FC schemes (b) GYF schemes

Figure 5.90. Copying cost comparison: JavaBYTEmark, $V = 72807$.



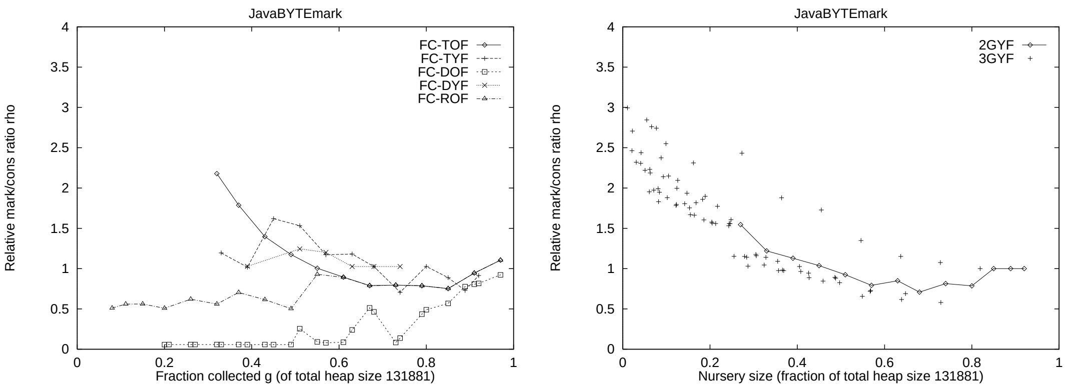
(a) FC schemes (b) GYF schemes

Figure 5.91. Copying cost comparison: JavaBYTEmark, $V = 88752$.



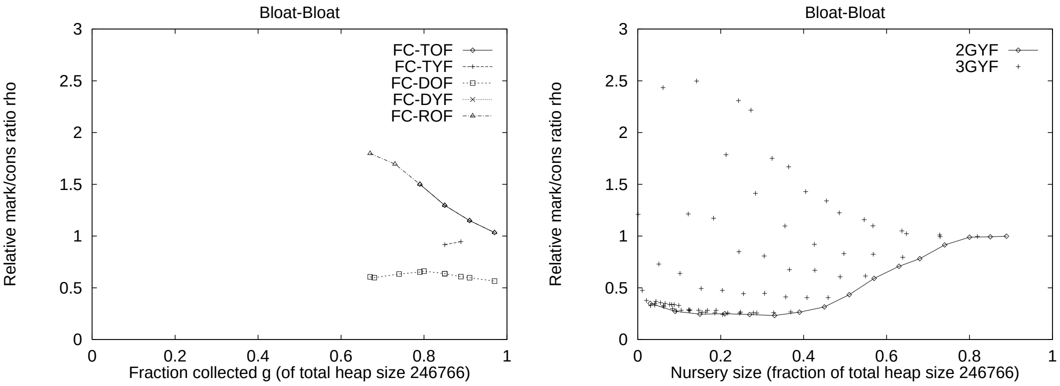
(a) FC schemes (b) GYF schemes

Figure 5.92. Copying cost comparison: JavaBYTEmark, $V = 108188$.



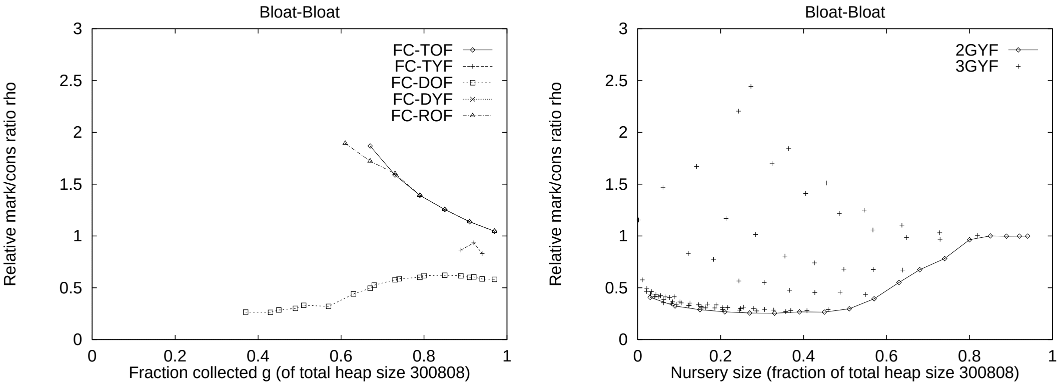
(a) FC schemes (b) GYF schemes

Figure 5.93. Copying cost comparison: JavaBYTEmark, $V = 131881$.



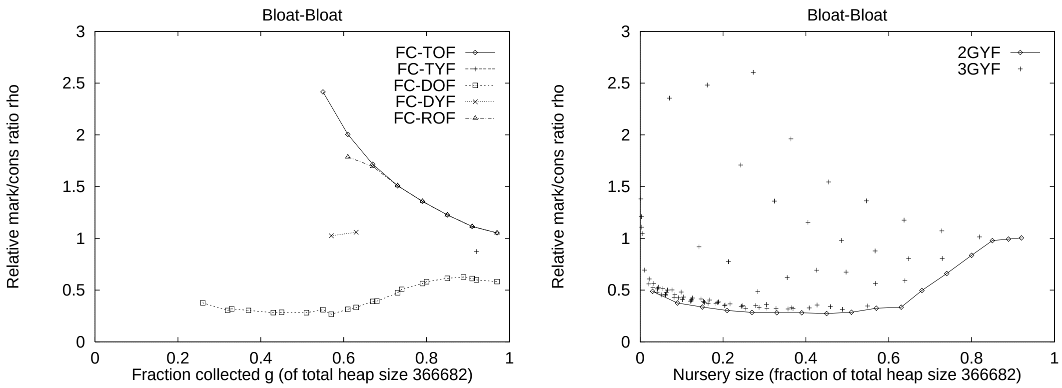
(a) FC schemes (b) GYF schemes

Figure 5.94. Copying cost comparison: Bloat-Bloat, $V = 246766$.



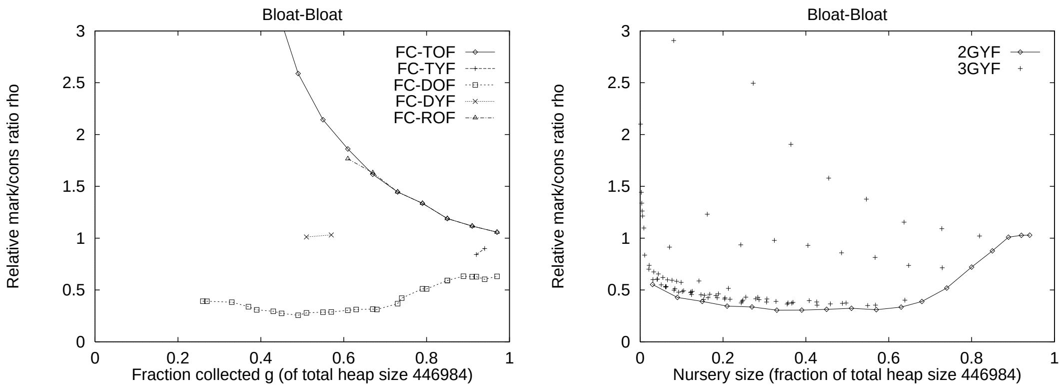
(a) FC schemes (b) GYF schemes

Figure 5.95. Copying cost comparison: Bloat-Bloat, $V = 300808$.



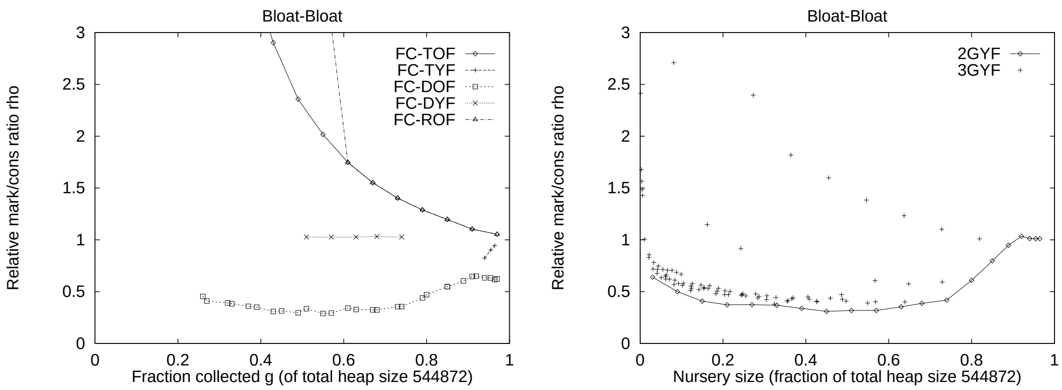
(a) FC schemes (b) GYF schemes

Figure 5.96. Copying cost comparison: Bloat-Bloat, $V = 366682$.



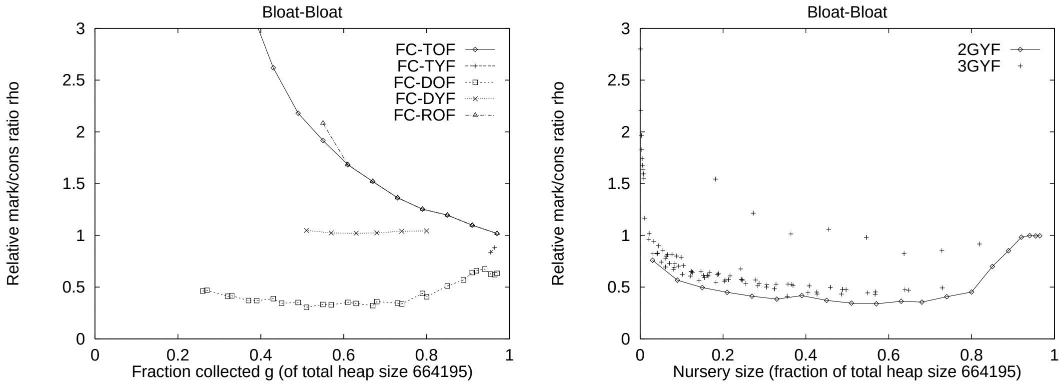
(a) FC schemes (b) GYF schemes

Figure 5.97. Copying cost comparison: Bloat-Bloat, $V = 446984$.



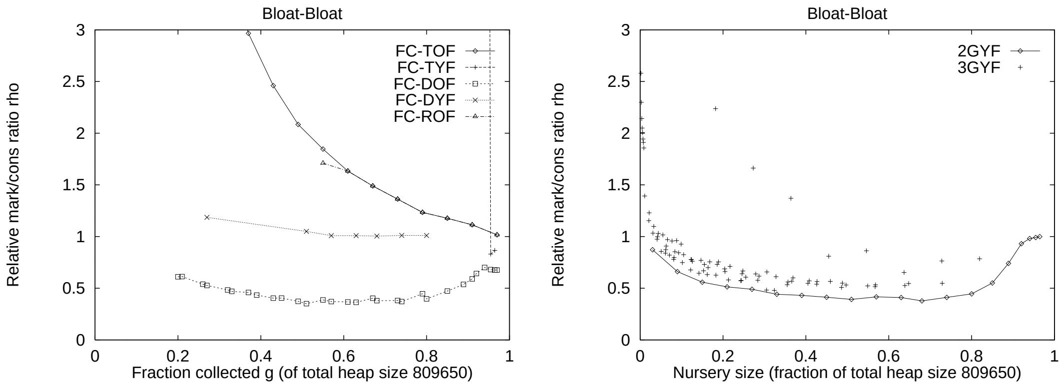
(a) FC schemes (b) GYF schemes

Figure 5.98. Copying cost comparison: Bloat-Bloat, $V = 544872$.



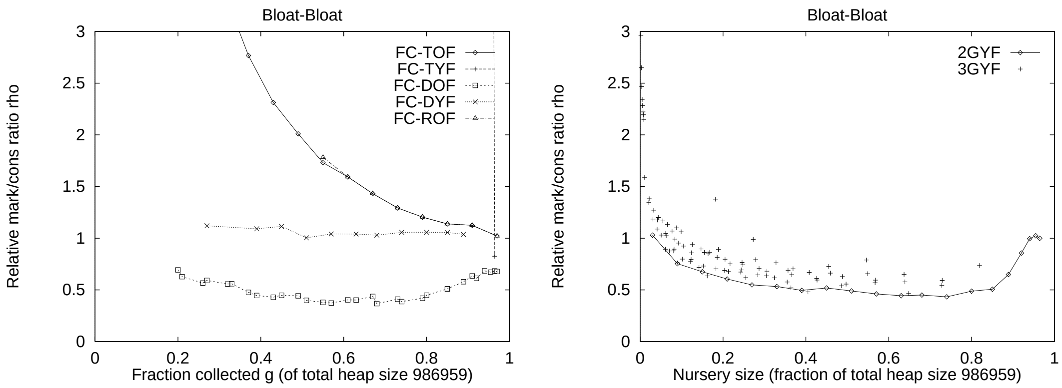
(a) FC schemes (b) GYF schemes

Figure 5.99. Copying cost comparison: Bloat-Bloat, $V = 664195$.



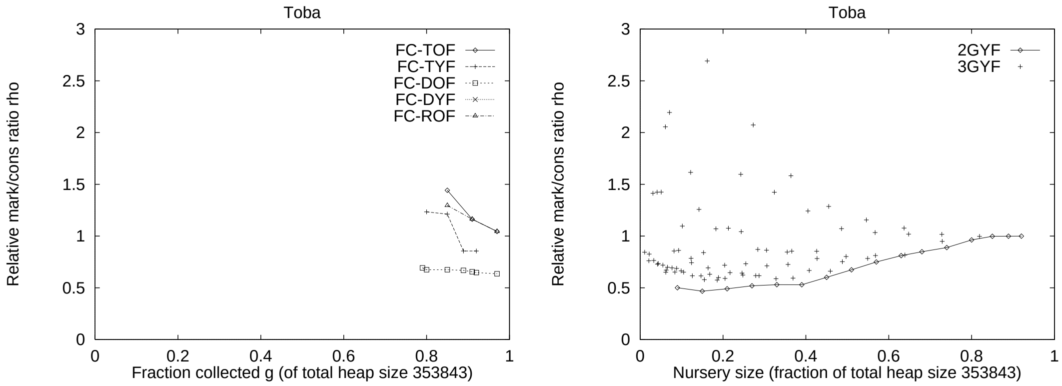
(a) FC schemes (b) GYF schemes

Figure 5.100. Copying cost comparison: Bloat-Bloat, $V = 809650$.



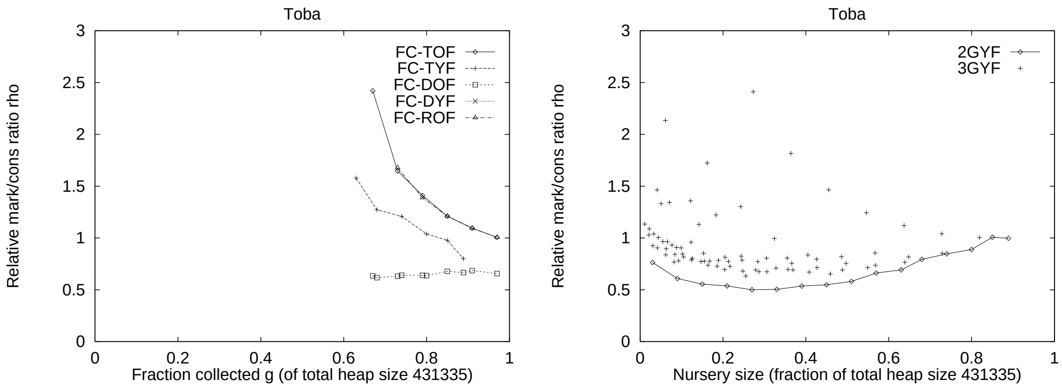
(a) FC schemes (b) GYF schemes

Figure 5.101. Copying cost comparison: Bloat-Bloat, $V = 986959$.



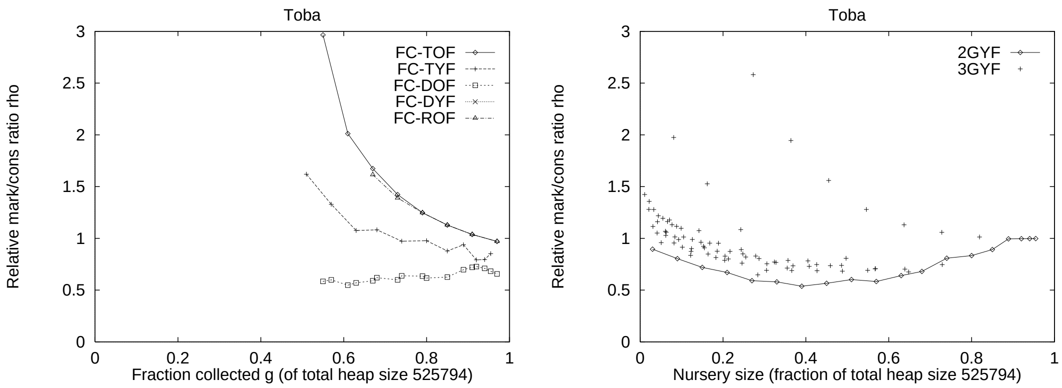
(a) FC schemes (b) GYF schemes

Figure 5.102. Copying cost comparison: Toba, $V = 353843$.



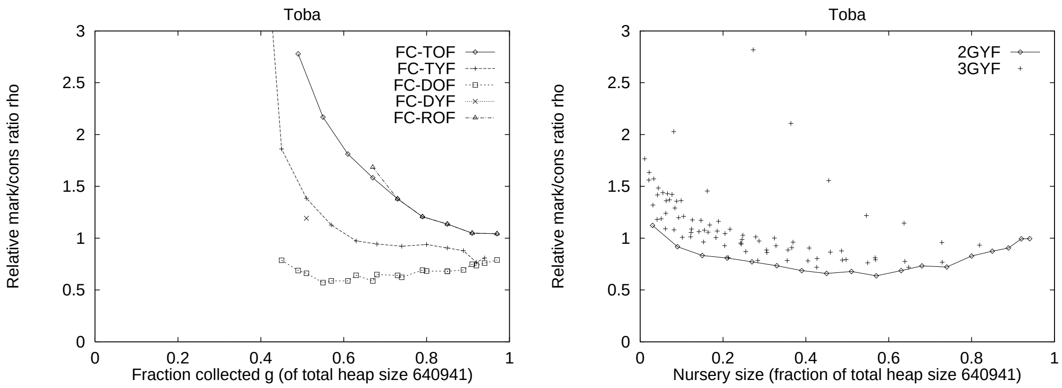
(a) FC schemes (b) GYF schemes

Figure 5.103. Copying cost comparison: Toba, $V = 431335$.



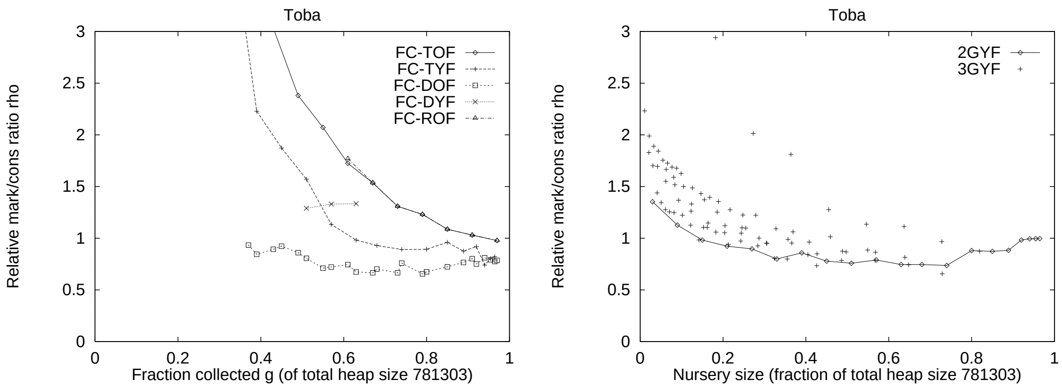
(a) FC schemes (b) GYF schemes

Figure 5.104. Copying cost comparison: Toba, $V = 525794$.



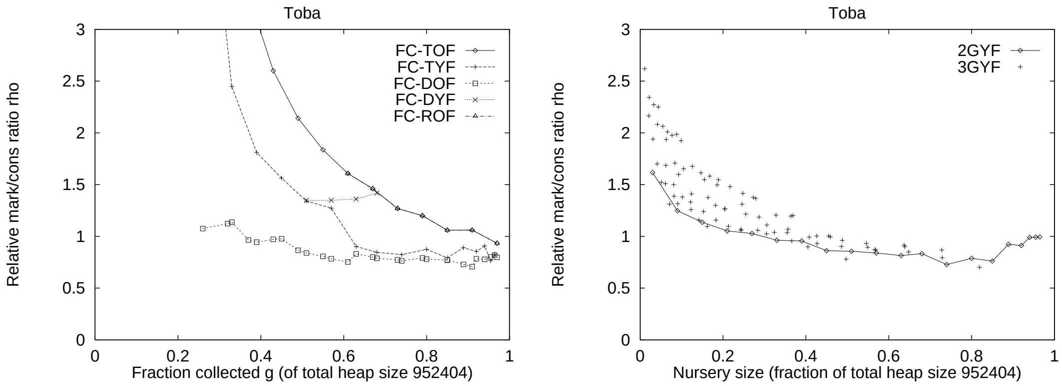
(a) FC schemes (b) GYF schemes

Figure 5.105. Copying cost comparison: Toba, $V = 640941$.



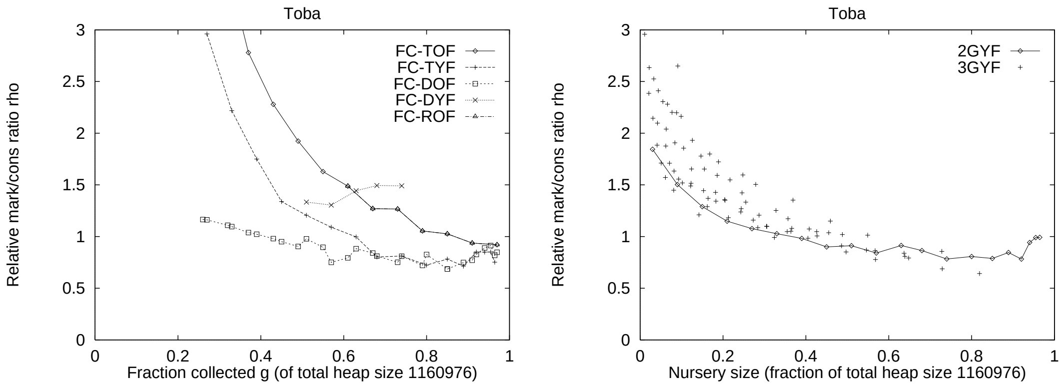
(a) FC schemes (b) GYF schemes

Figure 5.106. Copying cost comparison: Toba, $V = 781303$.



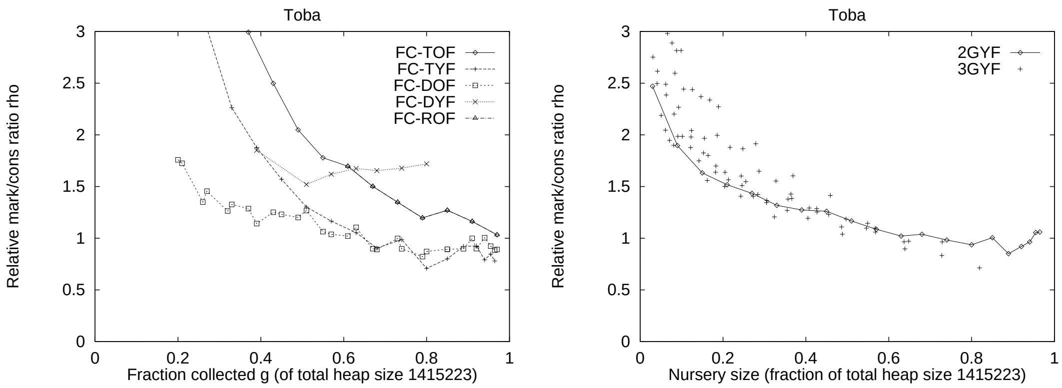
(a) FC schemes (b) GYF schemes

Figure 5.107. Copying cost comparison: Toba, $V = 952404$.



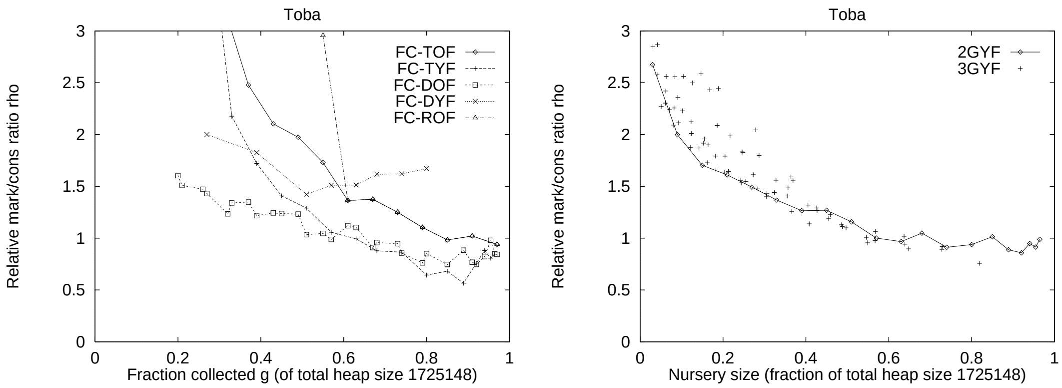
(a) FC schemes (b) GYF schemes

Figure 5.108. Copying cost comparison: Toba, $V = 1160976$.



(a) FC schemes (b) GYF schemes

Figure 5.109. Copying cost comparison: Toba, $V = 1415223$.



(a) FC schemes (b) GYF schemes

Figure 5.110. Copying cost comparison: Toba, $V = 1725148$.