Parallel Quicksort with Optimal Speedup

Speedup Factor (y-axis)
Number of Threads (x-axis)

Data points:
- 0.915396926
- 1.853613515
- 3.554280101
- 4.71438142
- 5.067403227
- 6.029633518
- 6.302854594

Yes, Quicksort using parallel implementation does scale well on the multicore machines of rlogin cluster. The graph above shows that the Speedup Factor increases over the number of threads that the parallel Quicksort uses, so the more threads it uses, the faster the parallel Quicksort is.