

Joshua Simmons + Shane Hafycz

We found that in test one the number of ReadHits slightly increased when the associativity was changed from direct-map to 2-way for a cache size of 4. The performance of cache was maximized when cache size was increased to 8 because all the necessary addresses could fit in cache.

For test two cache performance could be almost doubled by changing from direct-map to 2-way associativity. It also obviously performed much better when the cache size and associativity was such that the few addresses used all were in cache.

We have attached a pdf of our logs of the results from the tests in a table.