

runtime.js Results

Arrays	Insert	Append
tinyArray	68.375 μ s	41.459 μ s
smallArray	80.958 μ s	49.709 μ s
mediumArray	127.416 μ s	131.625 μ s
largeArray	6.796708 ms	401.583 μ s
extraLargeArray	765.887125 ms	1.567 ms

The insert function was slower than the append function in all arrays except for the mediumArray. The results show the append function scales better as the time value does not change drastically like the insert function. This is because the append function uses the push() method which adds one to the end of the array and returns the new length of the array. The insert function uses unshift() method which adds one to the beginning of the array and returns the new length of the array.