Results for extraLargeArray run in doublerAppend and doublerInsert functions

doublerAppend = 2.176084 ms

doublerInsert = 779.833125 ms

Function Results

Function	doublerAppend	doublerInsert
tinyArray	56.334 µs	19.375 µs
smallArray	63.25 µs	28.583 µs
mediumArray	96.041 µs	148.5 µs
largeArray	443.791 µs	7.539542 ms
extraLargeArray	2.176084 ms	779.833125 ms

The doublerInsert function is faster at small scales at one hundred or less. When run at those numbers the insert function is about twice as fast as the append function. When running on numbers a thousand or higher however the append function is significantly faster than the insert function. When run on the largest array the append function performed hundreds of times faster than the insert function.