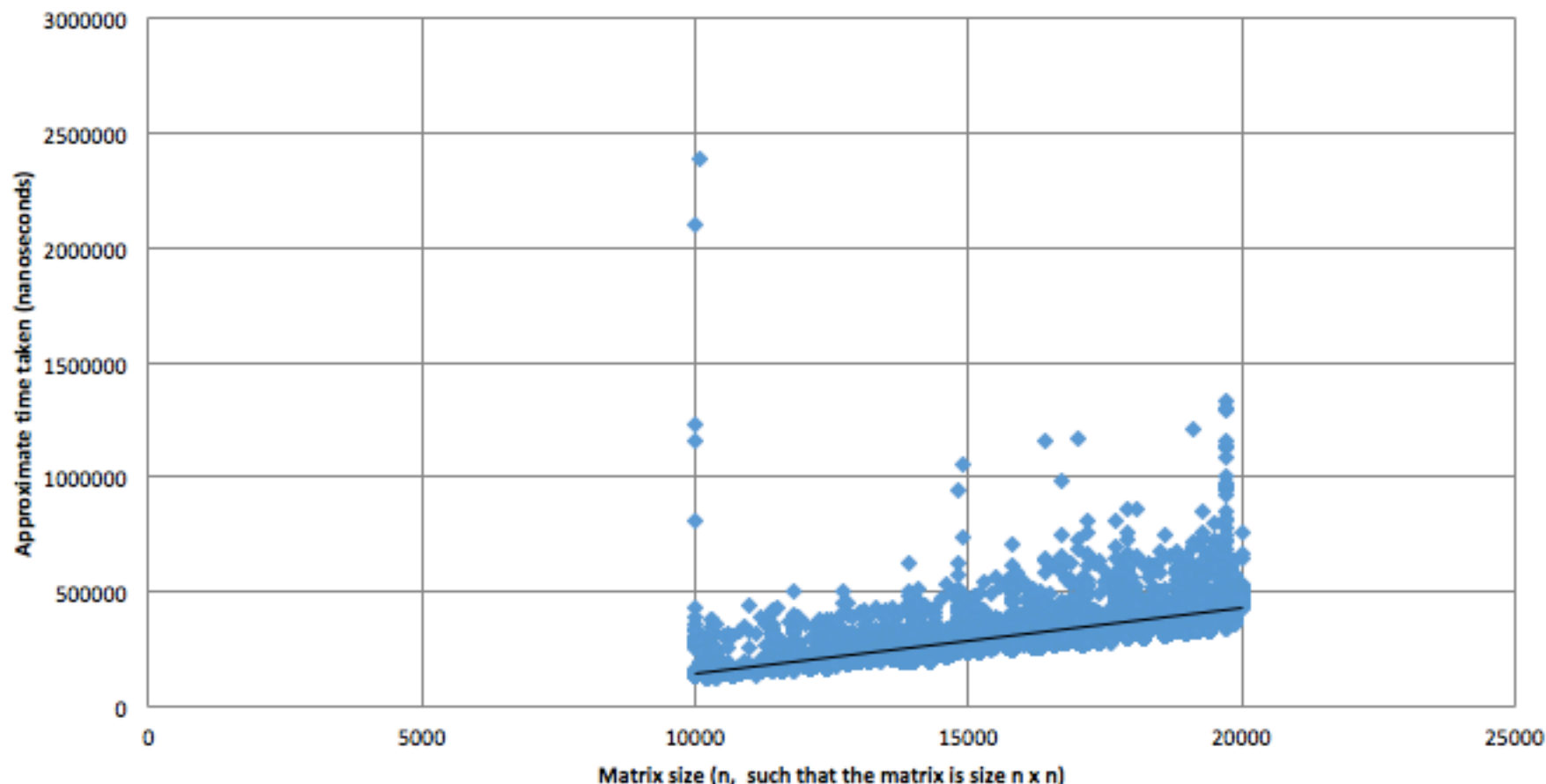# Time taken to run search method of MatrixFinder for a given matrix vs. the size of the matrix (with an included trend-line)

We can see, using the trendline as a guide, that the points are greatly concentrated in a linear fashion. There are points that are outliers, but this can be caused by a variety of reasons. In fact, we ran the test for arrays of size 10000 to 20000 in intervals of 100, and we ran each size 100 times. Even so, only a few points were outliers (out of the thousands tested), which further proves the linear nature of our algorithm.