COMP3702 - Assignment 2

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1   Chosen Configuration Space

The smallest size of each chair movement is 0.001 units. The overall area is 1 units squared. Thus if we choose the configuration space to be 0.001 increments, this will yield a 1000 by 1000 grid.

The area of this grid is 1000000, which should be viable for algorithm to use. Furthermore, choosing a smaller increment would not improve the accuracy, as the chair cannot move any finer than 0.001.

2   Sampling Strategy

3   What will cause the program to succeed

4   What will cause the program to fail