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Computer Graphics

Assignment No 2

**Part A**

* Path Planning Algorithm implemented as per the requirement in the paper. Java Processing 2.2.1 is used as the platform. To draw cylinder in build code was used as mentioned in the references.

**Part B**

Social Force Model

* Implemented via Path Planning Algorithm. Two objects passing by each other and three objects passing by each other experiment are done successful.

**How to run code**

* Install Processing Java 2.2.1
* It will ask to build sketch files say yes to it.

**List of References**

<http://www.openprocessing.org/sketch/9151>

<https://processing.org/examples/vertices.html>

<http://coretechrobotics.blogspot.com/2015/07/creating-robotics-simulator.html>

<http://ask.programmershare.com/199_21131475/>

<https://www.opengl.org/archives/resources/code/samples/redbook/robot.c>

<http://www.leniel.net/2008/02/robot-arm-with-opengl-in-csharp.html#sthash.kzsRrhm4.uynGS3hz.dpbs>

<http://openprocessing.org/sketch/64555>

<http://www.instructables.com/id/Create-a-Robotics-simulator-using-Processing/?ALLSTEPS>