CS251 Project Report by Group 28 (Box2D).

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Project
The project is to design a Rube Goldbergs machine using Box2d Software.

This report will explain our design of Rube Goldbergs machine.

The task is divided into 3 parts and each of us have done accordingly.

Our project can be found at

http://www.cse.iitb.ac.in/~sairambade/projectweb.html
A pendulum (at the top most left end) starts swinging as the simulation starts.

It hits the dominos on the rectangle box.
dominos hit the sphere it rolls on the inclined plane towards other dominos.

It hits the dominos on the horizontal platform.
sphere rolls on the plane and hits the other dominos further pushing another sphere towards planks which are fixed at center.
sphere falls into the elevator making the elevator to descend.
sphere rotates the horizontal platforms causing another sphere to fall in the elevator of the pulley system.

the other side of pulley system continues further.
plank on the other side of the pulley system hits the another set of horizantal platforms fixed at the center.

sphere on the one of the horizantal platform moves.
plank rotates the horizontal platforms causing another sphere to fall on an inclined plane. sphere rolls on the inclined platform towards the wheel
Sphere rolls on the inclined plane and eventually rotates the spin wheel.

spin-wheel continues to rotate.
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This pdf gives a brief report of Group28-Box2D project.
Conclusion of the project

- This pdf gives a brief report of Group28-Box2D project.
- The project is about designing a Rube Goldberg machine.
Conclusion of the project

- This pdf gives a brief report of Group28-Box2D project.
- The project is about designing a Rube Goldberg machine.
- You can see a spin-wheel on the left corner which will be rotating as the final output.
- This is the final goal which can be used as a spinning wheel, fan etc.
References

sources referred-to for the sake of the project and also to generate this report.

- bibtex [1]
- latex [2]
- design-idea [3], [4].
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