

Project3 Roller Coaster

Name _____

Name _____

ID _____

ID _____

Upload (If you did not finish this, you cannot get any score)

- Source code _____
- User manual _____
- Tech document _____
- 3 snap shots _____
- 1.5~3minute introduction videos _____

Basic system (50)

- User Interface with top-down view _____
- User Interface with train view _____
- Add, move, and remove control points _____
- Save and load the control points _____
- A track with C1/G1 _____
- Have a train _____
- Have ground _____
- Lighting _____
- Animated the things _____
- Program is proper documented _____
- Train is proper oriented _____
- Some scenery _____
- Slider to control the speed of the train _____

Advance

- Arc Length Parameterization (10) _____
- Tension control of a spline (5) _____
- Approximating C2 curve (5) _____
- Draw nicer looking tracks
 - Parallel rails (5) _____
 - Rail tiles (5) _____
- Multiple cars (5) _____
- Real Train Wheels (5) _____
- Simple Physics (5) _____
- Adaptive subdivision (5, 10) _____
- Improve the user interface of the frame work (10) _____
- Make totally over-the-top tracks (5) _____
- Sketch-based interface (10) _____
- Have People on your Roller Coaster (5) _____
- Headline (5) _____
- Smoke (5) _____
- Non-flat terrain (10) _____
- Support Structure (5) _____
- Tunnels (5) _____
- Something cools (5 ~ 20) _____