```
package ch.hevs.gdx2d.lunar.physics;
1
2
3
     * Some useful physics constant that are used by the {@link PhysicsSimulator} class
4
     and others.
     * @author P.-A. Mudry
6
7
    public final class Constants {
9
          * Graphics related constants
10
11
         public static final int WIN WIDTH = 800;
12
         public static final int WIN_HEIGHT = 800;
        public static final int FPS = 100;
13
14
         /**
15
         * Physics environment
16
17
18
         public static final float GRAVITY = -1.62f;
19
         public static final float DELTA TIME = 0.1f;
         public static final float AIR FRICTION = 0.0f;
20
21
         public static final float DAMPING FACTOR = 0.9f;
22
23
         * Maximal impact speed triggering a crash
24
25
         public static final double CRASH SPEED = 10;
26
27
         /**
28
         * Spaceship related
29
30
31
         public static final float MAX THRUST = 1500f;
32
         public static final double MAX FUEL = 300;
33
         public static final int BASE MASS = 300;
34
35
         public static final int GEGNER MASS = 100;
36
37
38
         * Game related constants
39
40
         \//\ {\it Maximal} impact energy triggering a object destruction
         public static final int DESTRUCTION ENERGY = (int)
41
         (BASE_MASS*CRASH_SPEED*CRASH_SPEED/2);
         public static final int CLOUD_DENSITY = 5;
public static final int GROUND_ALTITUDE = 100;
42
43
         public static final boolean DRAW BOUNDINGBOXES = false;
44
45
46
         * Ground parameters
47
48
         public static final float MAX INCLINE = 100.0f;
49
50
         public static final int MIN ALTITUDE = 200;
         public static final int SCALE = 10;
51
         public static final int FLAT ZONE = 7;
52
53
         /**
54
55
         * Landing Zone
56
57
         public static final int Z WIDTH = 100;
58
         public static final int Z HEIGHT = 30;
59
     }
60
```