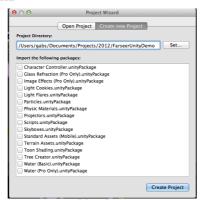
extracted from http://www.catsinthesky.com/blog/article/2012/03/5/farseer-physics-box2d-and-unity-part-

Farseer Physics (Box2D) and Unity (Part #1 - The Setup)

posted by gabs | Mar 23rd, 00:48

For example, there is no easy way to implement buoyancy in Physx. The most efficient way to do it is by attaching a mosh to your physics object (that's game over for 20) and mu a custom script that calculates the submerged area based on the attached mesh. The script will then add an impulse to simulate buoyancy in Impulse to simulate buoyancy in Impulse to simulate buoyancy in Physx. The most efficient way to do it is by attaching a most buoyancy in Impulse to simulate buoy

Finneer Physics is mostly a CE Boc2D, Locald say that it's Boc2D with stroids regarding low fast you can make things happen with it. There are factory classes that do most of the work for you when you need basic shapes. To begin with our demonstration, grab this Unity package (Unity 3.5), I ported the conce need I mode commonstent that we will live in our exceedablest. Centure as one was Units 90 mortest of the concerned that when the will live in our exceedablest. Centure as use Units 90 mortest of the work for you when you need basic shapes. To begin with our demonstration, grab this Unity package (Unity 3.5), I ported the concerned that when the will live in our exceedablest. Centure as use Units 90 mortest of the work for you when you need basic shapes. To begin with our demonstration, grab this Unity package (Unity 3.5), I ported the concerned that the work for you when you need basic shapes. To begin with our demonstration, grab this Unity package (Unity 3.5), I ported the concerned that the work for you when you need basic shapes. To begin with our demonstration, grab this Unity package (Unity 3.5), I ported the concerned that the work for you when you need basic shapes. To begin with our demonstration, grab this Unity package (Unity 3.5), I ported the concerned that the package (Unity 3.5), I ported the concerned that the package (Unity 3.5), I ported the concerned that the package (Unity 3.5), I ported the concerned that the package (Unity 3.5), I ported the concerned that the package (Unity 3.5), I ported the concerned that the package (Unity 3.5), I ported the concerned that the package (Unity 3.5), I ported the concerned that the package (Unity 3.5), I ported the concerned that the package (Unity 3.5), I ported the concerned that the package (Unity 3.5), I ported the concerned that the package (Unity 3.5), I ported the concerned that the package (Unity 3.5), I ported the concerned that the package (Unity 3.5), I ported the concerned that the package (Unity 3.5), I ported the concerned that the packa

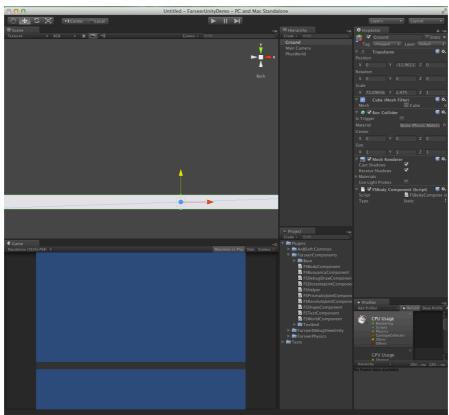


Import the package you just downloaded. Now, create a new scene. Set the camera to orthographic (I use size 27) and create a new empty gameObject. Attach the FSWorldComponent to this new gameObject. This will be what runs the physics engine (#2



The default gravity is negative because in unity, positive Y means UI

Now create a basic Cube, scale it enough because we will use it as a ground, now attach the FSBodyComponent to it (#3). Set the body type to static.



Now, there are three ways of setting the shape(s) for a physics bod

- Now, there are three ways of setting the snape(s) for a physics body:

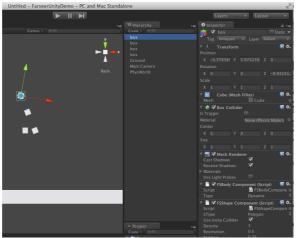
 1. Attach the FSShapeComponent directly to the gameObject with the FSBodyComponent and use Unity colliders to generate the shape;

 2. Constantial companies and arready applications and FSShapeComponents to have a hostic with multiple fortune (Illing Heit) and Illider to the state of the shape in the shape of the shape in t
- Create child game objects and attach colliders and FSShapeComponents to have
 Do #2 but with custom shapes (we will get to this part);

For now, just drag the FSShapeComponent directly to the body's game object, and make sure its type is "Polygon" and that the "Use Unity collider" is checked (#4



Duplicate the ground gameObject, change the scale, rename if to "box" (or anything but ground) then change the body type to "Dynamic". Duplicate this box several times and position them in your scene (#5)



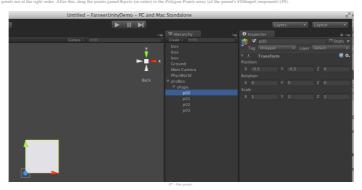
You can press play now to check if everything is working properly. Also, if you have the Pro version you can attach the FSDebugDrawComponent to the camera

Now, in one of your duplicated boxes, let's try the other method of generating shapes. Delete the FSShapeComponent from its gameObject. Create a new gameObject, then make it a child of your box gameObject. Reset the position, rotation and scale. (#6)



Attach the FSShapeComponent to this gameObject. Uncheck the "Use Unity collider" checkbox. We will make our shape by linking empty gameate a point of parts a point of parts.

18. to many Spaces a point, Armange 4 empty gameObjects (children of this shape gameObject), name them (P00, P01, P02, P03) (P7). The shape algosythm creates the





With this method of defining shapes, a single body can have multiple shapes, each with independent properties (friction, restitution and density), and they don't need to be rectangles and circles, any convex polygon will do!

That's it for the first part of this tutorial. The next part will be about joints. Feel free to check the two scenes included in this package.