Particle System / Particle

Namespace Playniax.ParticleSystem

Inherits from MonoBehaviour

Script can be found in Assets/Playniax/Framework/Demos/Radar System/Scripts (MonoBehaviour)/CustomParticle.cs

Public fields	Description
<pre>float timeScale = 1</pre>	The scale at which time passes.
float delay	Suspends the execution for the given amount.
Vector3 velocity	The velocity of the particle.
Vector3 constant	The constant of the particle.
float friction	The friction of the particle
float gravity	The gravity of the particle.
Vector3 spin	The spinning speed of the particle.
Vector3 targetScale	The target scale of the particle.

To create a particle simply create a sprite and add the Particle component to it.

Read **Getting Started** for more info.

Particles from script

Particles can also be created by an **Emitter** or you can create particles from script.

By creating particles from script you essentially create your own emitter.

Example can be found in Assets/Playniax/Framework/Particle System/Scenes/Example 05 - Particles From Script (Jet Engine).unity

Example script can be found in Assets/Playniax/Framework/Particle System/Scenes/Scripts (MonoBehaviour)/JetEngine Example.cs

```
using Playniax.ParticleSystem;
using System.Collections;
using System.Collections.Generic;
using UnityEngine;

public class JetEngine_Example : MonoBehaviour
{
    public Sprite sprite;
    public Material material;
    public int orderInLayer;
    public float timer;
    public float interval = 1;
```

```
void Update()
    timer -= 1;
    if (timer <= 0)</pre>
    {
        timer = interval;
        var renderer = new GameObject("Particle").AddComponent<SpriteRenderer>();
        renderer.sprite = sprite;
        if (material) renderer.material = material;
        renderer.sortingOrder = orderInLayer;
        renderer.transform.parent = transform;
        renderer.transform.position = transform.position;
        var particle = renderer.gameObject.AddComponent<Particle>();
        var r = Random.Range(.75f, 1);
        var g = Random.Range(.5f, .75f);
var b = Random.Range(.25f, .5f);
        particle.startColor = new Color(r, g, b, 1);
        particle.targetColor = new Color(1, 1, 1, 0);
        particle.ttl = Random.Range(1.5f, 1.25f);
        particle.targetScale = Vector3.zero;
        var scale = Random.Range(0, .25f);
        particle.startScale *= scale;
        particle.velocity = Random.Range(.75f, 1.25f) * Vector3.left;
        particle.name += " (" + particle.gameObject.GetInstanceID() + ")";
   }
}
```

}