Particle Systems

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The different particle systems seen below have been

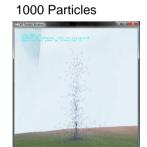
created simply be altering the emitter of the particles

and altering the "physics" working on the particles

(when updating their positions)

Particle Systems are used to simulate phenomena like fire, smoke, water, and more in real time. Particle Systems work by emitting particles, updating particle positions and then drawing the particles.

Increasing the number of particles and decreasing their size has impact on frame rate as well as appearance:



10000 Particles





10000 Particles

1000 Particles size 5

For a considerable drop in frame rate you do

not necessary get an equal improvement in the

appearance of the particle system:



10000 Particles size 2



100000 Particles



1000000 Particles



10000 Particles



1000 Particles size 5



10000 Particles size 2

