Spacetime Well

This component can be used in conjunction with SgtSpacetime to create meshes that get deformed by gravitational wells.

Radius

This allows you to set how large the well is in world space.

Strength

This allows you to set how strong the well's effects are on the spacetime meshes.

Distribution

This allows you to set how this well will deform the spacetime.

NOTE: Spacetimes are limited to 12 gaussian wells, 1 ripple well, and 1 twist well.

Gaussian

This causes the well to deform the spacetime using a smooth gaussian distribution.

Ripple

This causes the well to deform the spacetime using a smooth gaussian distribution that ripples in amplitude.

Frequency

This allows you to set how many ripples are coming from the well.

Offset

This allows you to set the ripple animation position.

Offset Speed

This allows you to set how fast new ripples are created.

Twist

This causes the well to deform the spacetime using a smooth gaussian distribution that spirals outward.

Frequency

This allows you to set how many twists are coming from the well.

Hole Size

This allows you to set how large the twist hole in the middle is.

Hole Power

This allows you to set how sharp the twist hole is.