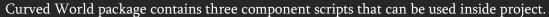
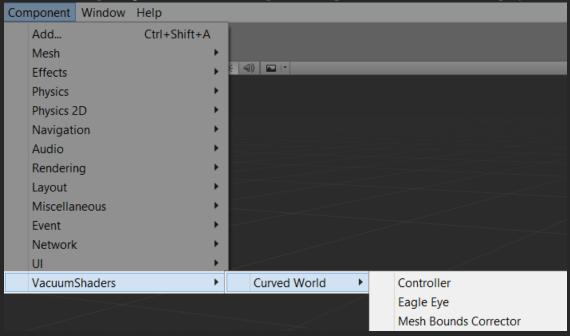
Curved World API





- Controller Scene must contain one instance of this script.
- Eagle Eye Overrides camera's field of view parameter for rendering meshes outside its view frustum. Solves mesh disappearing problem.
- Mesh Bounds Corrector Scales mesh render bounds, if it is not visible to camera or light source.

CurvedWorld Controller

Public variables:

- For controlling bend size per axis
 - 1. public float _V_CW_Bend_X = 0; -X axis bend size control
 - 2. public float _V_CW_Bend_Y = 0; Y axis bend size control
 - 3. public float $V_CW_Bend_Z = 0$; -Z axis bend size control
- For controlling bend size bias per axis
 - 1. public float _V_CW_Bias_X = 0;
 - 2. public float _V_CW_Bias_Y = 0;
 - public float V CW Bias Z = 0;
- Pivot point

```
public Transform pivotPoint; - If not defined (0, 0, 0) is the center of the bend. For Perspective2D pivot point always is screen center of active camera.
```

• Static singleton pattern

```
static public CurvedWorld_Controller get — Returns reference to the scene's active CurvedWorld_Controller.
```

Public functions:

- public Vector3 GetBend() Returns axis bend size as Vector3
- public void SetBend(Vector3 _newBend) Sets axis bend size from Vector3
- public Vector3 GetBias() Returns axis bend size bias as Vector3
- public void SetBias(Vector3 _newBias) Sets axis bend size bias from Vector3
- public Vector3 TransformPoint(Vector3 _transformPoint, BEND_TYPE _bendType) Takes Vector3 as world space position and bends it using CurvedWorld_Controller parameters.

Public static functions:

• static public Vector3 TransformPoint(...) – Takes Vector3 as world space position and bends it using custom parameters.

CurvedWorld_EagleEye

The only public variable - public float fieldOfView = 60;

$Curved World_Mesh Bounds Corrector$

The only public variable - public float meshBoundsScale = 1;