

BCC Bulge Filter

Bulge makes the source image appear as if it is stretched over a surface with a bulge or a depression.

If the **Correct Non-Square Pixels checkbox** is selected and the filter is applied to media with non-square pixels, the filter converts the pixels to square pixels (maintaining the height), applies the bulge, and then converts the pixels back to their original format. This helps prevent distortion.

Selecting the **Process Alpha Channel Only checkbox** allows you to distort the alpha channel without changing the underlying colors.

Center Point Parameter Group

Center Point sets the X and Y coordinates of the center of the bulge or depression.

Height controls the height of the bulge above the surface. Negative Height values create a depression in the surface of the image.



Height=50



Height=-50

Perspective controls the distance from the viewer to the top of the bulge. Positive Perspective values move the viewer farther away from the surface, making the bulge appear less pronounced. Negative Perspective values place the viewer under the surface of the bulge, which can produce some unusual effects.



Perspective=0



Perspective=50

Radius sets the radius of the bulge. This value is expressed as the distance, in pixels, between the center point and the edge of the bulge.



Radius=300



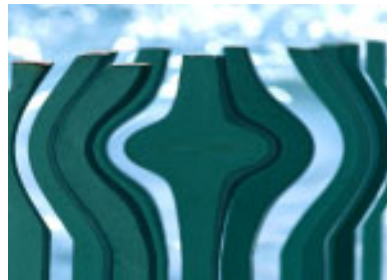
Radius=600

Taper controls the shape of the bulge. An untapered bulge maps the source track onto a surface with a roughly spherical bump. Increasing Taper makes the surface more like a tapered candle, proportionally much higher in the middle than at the edges.

Stretch stretches or squeezes the bulge in the direction of the Stretch Angle. Positive Stretch values pull the bulge apart, whereas negative values squeeze it together.



Stretch=0



Stretch=10

Stretch Angle sets the direction in which the bulge is stretched or squeezed.

The PixelChooser Parameter Group

The PixelChooser is included in many Boris filters and provides several methods to selectively filter an image.



For more information on the PixelChooser, see Chapter 10, “The PixelChooser” in the User Guide, or open the help file for the standalone PixelChooser filter.

The Pinning Parameter Group



The Pinning parameters are described in the User Guide.