# PxrThinFilm

Computes a thin-film interference effect on six spectral bands.

## Input Parameters

### Input Color

The color that will be perturbed by the interference effect.

### Eta

The index of refraction of the thin film. We assume the exterior medium is air.

### Spread

The index of refraction's amount of variation across the color spectrum.

### Thickness

The thickness of the thin film in nanometers.

### Thickness Scale

Connect a pattern here to modulate the thickness. This will multiply the *thickness* value.

### Front Only

Compute only interference on front-facing points. By default, both sides are computed.

## Output Parameters

### resultRGB

The color result.

### resultR

The R channel from the resultRGB output.

### resultG

The G channel from the resultRGB output.

### resultB

The B channel from the resultRGB output.