Filters

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Implements filters used by models.

class **anomalib.models.components.filters.GaussianBlur2d(*sigma*, *channels=1*, *kernel_size=None*, *normalize=True*, *border_type='reflect'*, *padding='same'*)**

Bases: `Module`

Compute GaussianBlur in 2d.

Makes use of kornia functions, but most notably the kernel is not computed during the forward pass, and does not depend on the input size. As a caveat, the number of channels that are expected have to be provided during initialization.

forward(*input_tensor*)

Blur the input with the computed Gaussian.

Parameters:

input_tensor (*torch.Tensor*) – Input tensor to be blurred.

Returns:

Blurred output tensor.

Return type:

Tensor