

torch.nn.functional

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\pytorch-master) (docs) (source) nn.functional.rst, line 7)

Unknown directive type "currentmodule".

```
.. currentmodule:: torch.nn.functional
```

Convolution functions

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Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated
   :nosignatures:

   conv1d
   conv2d
   conv3d
   conv_transpose1d
   conv_transpose2d
   conv_transpose3d
   unfold
   fold
```

Pooling functions

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Unknown directive type "autosummary".

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.. autosummary::
   :toctree: generated
   :nosignatures:

   avg_pool1d
   avg_pool2d
   avg_pool3d
   max_pool1d
   max_pool2d
   max_pool3d
   max_unpool1d
   max_unpool2d
   max_unpool3d
   lp_pool1d
   lp_pool2d
   adaptive_max_pool1d
   adaptive_max_pool2d
   adaptive_max_pool3d
   adaptive_avg_pool1d
   adaptive_avg_pool2d
   adaptive_avg_pool3d
   fractional_max_pool2d
   fractional_max_pool3d
```

Non-linear activation functions

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Unknown directive type "autosummary".

```
.. autosummary::
```

```
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threshold
threshold_
relu
relu_
hardtanh
hardtanh_
hardswish
relu6
elu
elu_
selu
celu
leaky_relu
leaky_relu_
prelu
rrelu
rrelu_
glu
gelu
logsigmoid
hardshrink
tanhshrink
softsign
softplus
softmin
softmax
softshrink
gumbel_softmax
log_softmax
tanh
sigmoid
hardsigmoid
silu
mish
batch_norm
group_norm
instance_norm
layer_norm
local_response_norm
normalize
```

Linear functions

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```
.. autosummary::
   :toctree: generated
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   linear
   bilinear
```

Dropout functions

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```
.. autosummary::
   :toctree: generated
   :nosignatures:

   dropout
   alpha_dropout
   feature_alpha_dropout
   dropout2d
   dropout3d
```

Sparse functions

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```
.. autosummary::
   :toctree: generated
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   embedding
   embedding_bag
   one_hot
```

Distance functions

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```
.. autosummary::
   :toctree: generated
   :nosignatures:

   pairwise_distance
   cosine_similarity
   pdist
```

Loss functions

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```
.. autosummary::
   :toctree: generated
   :nosignatures:

   binary_cross_entropy
   binary_cross_entropy_with_logits
   poisson_nll_loss
   cosine_embedding_loss
   cross_entropy
   ctc_loss
   gaussian_nll_loss
   hinge_embedding_loss
   kl_div
   l1_loss
   mse_loss
   margin_ranking_loss
   multilabel_margin_loss
   multilabel_soft_margin_loss
   multi_margin_loss
   nll_loss
   huber_loss
   smooth_l1_loss
   soft_margin_loss
   triplet_margin_loss
   triplet_margin_with_distance_loss
```

Vision functions

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```
.. autosummary::
   :toctree: generated
   :nosignatures:

   pixel_shuffle
   pixel_unshuffle
   pad
   interpolate
   upsample
   upsample_nearest
   upsample_bilinear
   grid_sample
   affine_grid
```

DataParallel functions (multi-GPU, distributed)

data_parallel

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```
.. autosummary::
   :toctree: generated
   :nosignatures:

   torch.nn.parallel.data_parallel
```