

# torch.special

The torch.special module, modeled after SciPy's [special](#) module.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 9)**

Unknown directive type "automodule".

```
.. automodule:: torch.special
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 10)**

Unknown directive type "currentmodule".

```
.. currentmodule:: torch.special
```

## Functions

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 15)**

Unknown directive type "autofunction".

```
.. autofunction:: entr
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 16)**

Unknown directive type "autofunction".

```
.. autofunction:: erf
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 17)**

Unknown directive type "autofunction".

```
.. autofunction:: erfc
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 18)**

Unknown directive type "autofunction".

```
.. autofunction:: erfcx
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 19)**

Unknown directive type "autofunction".

```
.. autofunction:: erfinv
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 20)**

Unknown directive type "autofunction".

```
.. autofunction:: expit
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 21)**

Unknown directive type "autofunction".

```
.. autofunction:: expm1
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 22)**

Unknown directive type "autofunction".

```
.. autofunction:: exp2
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 23)**

Unknown directive type "autofunction".

```
.. autofunction:: gammaln
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 24)**

Unknown directive type "autofunction".

```
.. autofunction:: gammalncc
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 25)**

Unknown directive type "autofunction".

```
.. autofunction:: gammalncc
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 26)**

Unknown directive type "autofunction".

```
.. autofunction:: polygamma
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 27)**

Unknown directive type "autofunction".

```
.. autofunction:: digamma
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 28)**

Unknown directive type "autofunction".

```
.. autofunction:: psi
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 29)**

Unknown directive type "autofunction".

```
.. autofunction:: i0
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 30)**

Unknown directive type "autofunction".

```
.. autofunction:: i0e
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 31)**

Unknown directive type "autofunction".

```
.. autofunction:: i1
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 32)**

Unknown directive type "autofunction".

```
.. autofunction:: ile
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 33)**

Unknown directive type "autofunction".

```
.. autofunction:: logit
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 34)**

Unknown directive type "autofunction".

```
.. autofunction:: logsumexp
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 35)**

Unknown directive type "autofunction".

```
.. autofunction:: loglp
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 36)**

Unknown directive type "autofunction".

```
.. autofunction:: log_softmax
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 37)**

Unknown directive type "autofunction".

```
.. autofunction:: multigammaln
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 38)**

Unknown directive type "autofunction".

```
.. autofunction:: ndtr
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 39)**

Unknown directive type "autofunction".

```
.. autofunction:: ndtri
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 40)**

Unknown directive type "autofunction".

```
.. autofunction:: log_ndtr
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 41)**

Unknown directive type "autofunction".

```
.. autofunction:: round
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 42)**

Unknown directive type "autofunction".

```
.. autofunction:: sinc
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 43)**

Unknown directive type "autofunction".

```
.. autofunction:: softmax
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 44)**

Unknown directive type "autofunction".

```
.. autofunction:: xloglpy
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 45)**

Unknown directive type "autofunction".

```
.. autofunction:: xlogy
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\ (pytorch-master) (docs) (source) special.rst, line 46)**

Unknown directive type "autofunction".

```
.. autofunction:: zeta
```