# Operators with Channels Last support

## CPU operators

- `abs`
- `abs_`
- `acos`
- `acos_`
- `add`
- `add_`
- `addcdiv`
- `addcdiv_`
- `addcmul`
- `addcmul_`
- `asin`
- `asin_`
- `atan2`
- `atan2_`
- `batch_norm`
- `bfloat16`
- `bool`
- `byte`
- `ceil`
- `ceil_`
- `char`
- `clone`
- `contiguous`
- `copy_`
- `digamma`
- `digamma_`
- `div`
- `div_`
- `double`
- `empty_like`
- `erfinv`
- `erfinv_`
- `expm1`
- `expm1_`
- `fill_`
- `float`
- `floor`
- `floor_`
- `full_like`
- `gt`
- `half`
- `int`

- `isnan`
- `log`
- `log_`
- `log10`
- `log10_`
- `log1p`
- `log1p_`
- `log2`
- `log2_`
- `long`
- `lt`
- `mul`
- `mul_`
- `ne`
- `neg`
- `neg_`
- `ones_like`
- `pow`
- `pow_`
- `randint_like`
- `rand_like`
- `randn_like`
- `relu`
- `relu_`
- `resize_`
- `resize_as_`
- `round`
- `round_`
- `rsqrt`
- `rsqrt_`
- `short`
- `sigmoid`
- `sigmoid_`
- `sign`
- `sign_`
- `sin`
- `sin_`
- `sinh`
- `sinh_`
- `sqrt`
- `sqrt_`
- `to`
- `trunc`
- `trunc_`
- `type`
- `zero_`

- `zeros_like`

## GPU operators

- `abs`
- `abs_`
- `acos`
- `acos_`
- `adaptive_avg_pool2d`
- `add`
- `add_`
- `addcdiv`
- `addcdiv_`
- `addcmul`
- `addcmul_`
- `asin`
- `asin_`
- `atan2`
- `atan2_`
- `batch_norm`
- `bfloat16`
- `bool`
- `byte`
- `cat`
- `ceil`
- `ceil_`
- `char`
- `clone`
- `contiguous`
- `conv2d`
- `conv_transpose2d`
- `copy_`
- `cpu`
- `cuda`
- `cudnn_convolution`
- `cudnn_convolution_transpose`
- `detach`
- `digamma`
- `digamma_`
- `div`
- `div_`
- `double`
- `empty_like`
- `erfinv`
- `erfinv_`
- `expm1`
- `expm1_`

- `fill_`
- `float`
- `floor`
- `floor_`
- `full_like`
- `gt`
- `half`
- `int`
- `isnan`
- `log`
- `log_`
- `log10`
- `log10_`
- `log1p`
- `log1p_`
- `log2`
- `log2_`
- `long`
- `lt`
- `max_pool2d`
- `mul`
- `mul_`
- `ne`
- `neg`
- `neg_`
- `ones_like`
- `pow`
- `pow_`
- `randint_like`
- `rand_like`
- `randn_like`
- `relu`
- `relu_`
- `requires_grad_`
- `resize_`
- `resize_as_`
- `round`
- `round_`
- `rsqrt`
- `rsqrt_`
- `short`
- `sigmoid`
- `sigmoid_`
- `sign`
- `sign_`
- `sin`

- `sin_`
- `sinh`
- `sinh_`
- `sqrt`
- `sqrt_`
- `to`
- `trunc`
- `trunc_`
- `type`
- `zero_`
- `zeros_like`