RELU

CLASS `torch.nn.ReLU(inplace: bool = False)`   [SOURCE]

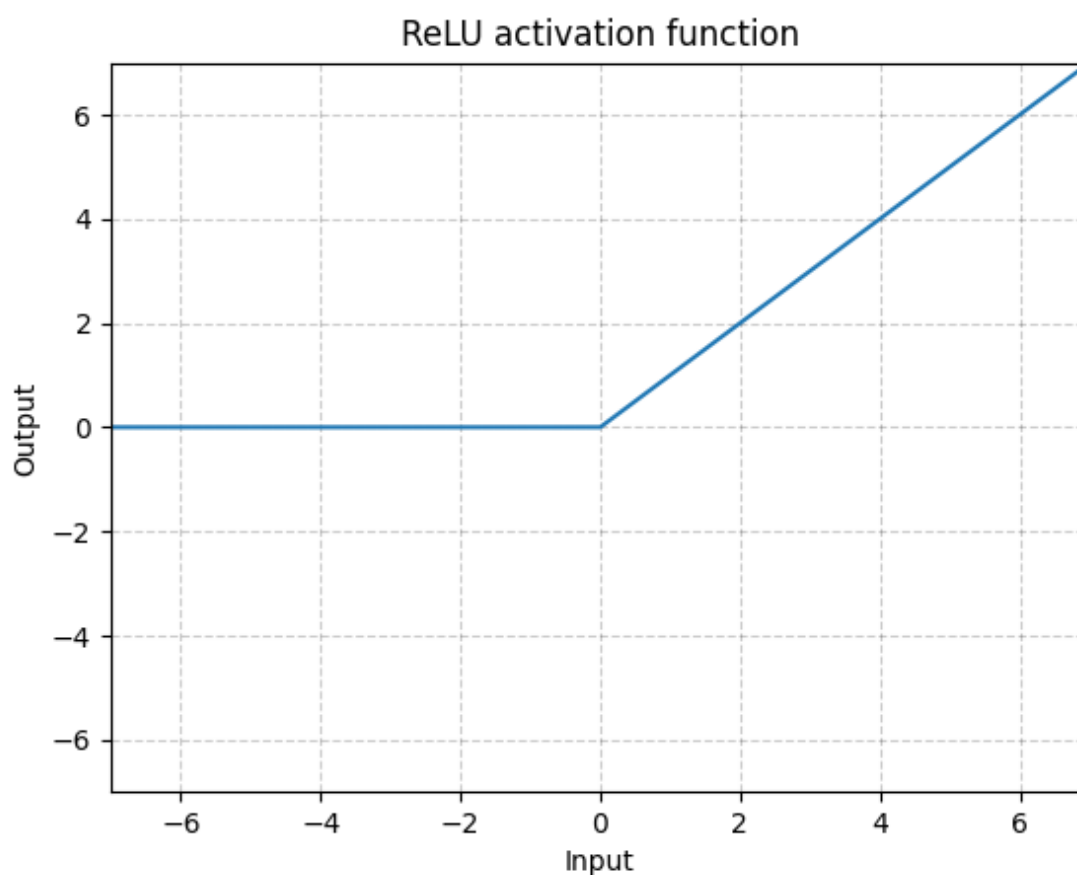Applies the rectified linear unit function element-wise:

$$\mathrm{ReLU}(x) = (x)^+ = \max(0, x)$$

Parameters

inplace – can optionally do the operation in-place. Default: `False`

Shape:

- Input: $(N, *)$ where $*$ means, any number of additional dimensions
- Output: $(N, *)$, same shape as the input

Examples:

```
>>> m = nn.ReLU()
>>> input = torch.randn(2)
>>> output = m(input)


  An implementation of CReLU - https://arxiv.org/abs/1603.05201

>>> m = nn.ReLU()
>>> input = torch.randn(2).unsqueeze(0)
>>> output = torch.cat((m(input),m(-input)))
```

Built with Sphinx using a theme provided by Read the Docs.