tf.contrib.gan.losses.wargs.wasserstein_discriminator_loss

```
wasserstein_discriminator_loss(
    discriminator_real_outputs,
    discriminator_gen_outputs,
    real_weights=1.0,
    generated_weights=1.0,
    scope=None,
    loss_collection=tf.GraphKeys.LOSSES,
    reduction=losses.Reduction.SUM_BY_NONZERO_WEIGHTS,
    add_summaries=False
)
```

Defined in `tensorflow/contrib/gan/python/losses/python/losses_impl.py` .

Wasserstein discriminator loss for GANs.

See `Wasserstein GAN` (https://arxiv.org/abs/1701.07875) for more details.

Args:

- `discriminator_real_outputs` : Discriminator output on real data.
- `discriminator_gen_outputs` : Discriminator output on generated data. Expected to be in the range of (-inf, inf).
- `real_weights` : Optional `Tensor` whose rank is either 0, or the same rank as `discriminator_real_outputs` , and must be broadcastable to `discriminator_real_outputs` (i.e., all dimensions must be either `1` , or the same as the corresponding dimension).
- `generated_weights` : Same as `real_weights` , but for `discriminator_gen_outputs` .
- `scope` : The scope for the operations performed in computing the loss.
- `loss_collection` : collection to which this loss will be added.
- `reduction` : A `tf.losses.Reduction` to apply to loss.
- `add_summaries` : Whether or not to add summaries for the loss.

Returns:

A loss Tensor. The shape depends on `reduction` .

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