

## tf.contrib.gan.features.clip\_discriminator\_weights

```
clip_discriminator_weights(  
    optimizer,  
    model,  
    weight_clip  
)
```

Defined in [tensorflow/contrib/gan/python/features/python/clip\\_weights\\_impl.py](#).

Modifies an optimizer so it clips weights to a certain value.

### Args:

- `optimizer`: An optimizer to perform variable weight clipping.
- `model`: A GANModel namedtuple.
- `weight_clip`: Positive python float to clip discriminator weights. Used to enforce a K-lipschitz condition, which is useful for some GAN training schemes (ex WGAN: <https://arxiv.org/pdf/1701.07875>).

### Returns:

An optimizer to perform weight clipping after updates.

### Raises:

- `ValueError`: If `weight_clip` is less than 0.

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