

tf.contrib.gan.features.clip_variables

```
clip_variables(  
    optimizer,  
    variables,  
    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.
- **variables** : A list of TensorFlow variables.
- **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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