

## tf.contrib.layers.sum\_regularizer

```
sum_regularizer(  
    regularizer_list,  
    scope=None  
)
```

Defined in [tensorflow/contrib/layers/python/layers/regularizers.py](#).

See the guide: [Layers \(contrib\) > Regularizers](#)

Returns a function that applies the sum of multiple regularizers.

## Args:

- `regularizer_list` : A list of regularizers to apply.
- `scope` : An optional scope name

## Returns:

A function with signature `sum_reg(weights)` that applies the sum of all the input regularizers.

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