

## tf.check\_numerics

```
check_numerics(  
    tensor,  
    message,  
    name=None  
)
```

Defined in `tensorflow/python/ops/gen_array_ops.py`.

See the guide: [Control Flow > Debugging Operations](#)

Checks a tensor for NaN and Inf values.

When run, reports an `InvalidArgument` error if `tensor` has any values that are not a number (NaN) or infinity (Inf). Otherwise, passes `tensor` as-is.

## Args:

- `tensor` : A `Tensor`. Must be one of the following types: `half`, `float32`, `float64`.
- `message` : A `string`. Prefix of the error message.
- `name` : A name for the operation (optional).

## Returns:

A `Tensor`. Has the same type as `tensor`.

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