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How actually does Caffe TileLayer works?

2 posts by 2 authors

**Qun Zhang**

10/15/16



Hi guys, still have difficulty figuring out how the tile layer works. In fact I don't even know this a TileLayer or not.

```
layers {  
  name: "tile"  
  type: TILING  
  bottom: "bottom-blob"  
  top: "top-blob"  
  tiling_param {  
    tile_dim: 8  
  }  
}
```

I could not find "TILING" type in any document. If this is a so-called TileLayer, how does it work? Let's say if the bottom-blob is 19x14x256, what would the top-blob be then? Thanks guys.

In current caffe.proto i can only find:

```
// Message that stores parameters used by TileLayer  
message TileParameter {  
  // The index of the axis to tile.  
  optional int32 axis = 1 [default = 1];  
  
  // The number of copies (tiles) of the blob to output.  
  optional int32 tiles = 2;  
}
```

**Li Feng**

12/12/16

