

# What changed in ILSVRC classification?

Year 2010

NEC-UIUC



Dense grid descriptor:  
HOG, LBP

Coding: local coordinate,  
super-vector

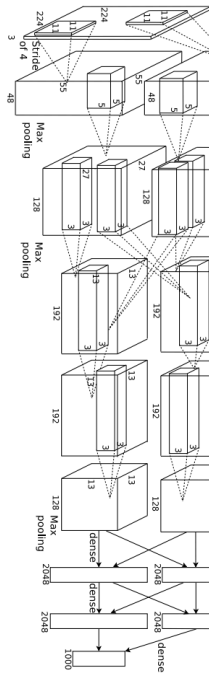
Pooling, SPM

Linear SVM

[Lin CVPR 2011]

Year 2012

SuperVision



[Krizhevsky NIPS 2012]

Year 2014

GoogLeNet



Convolution  
Pooling  
Softmax  
Other

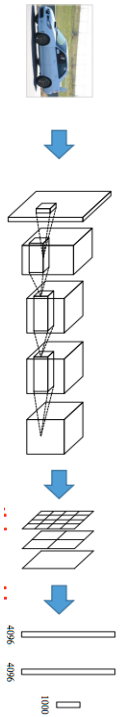
[Szegedy arxiv 2014]

VGG



[Simonyan arxiv 2014]

MSRA



[He arxiv 2014]