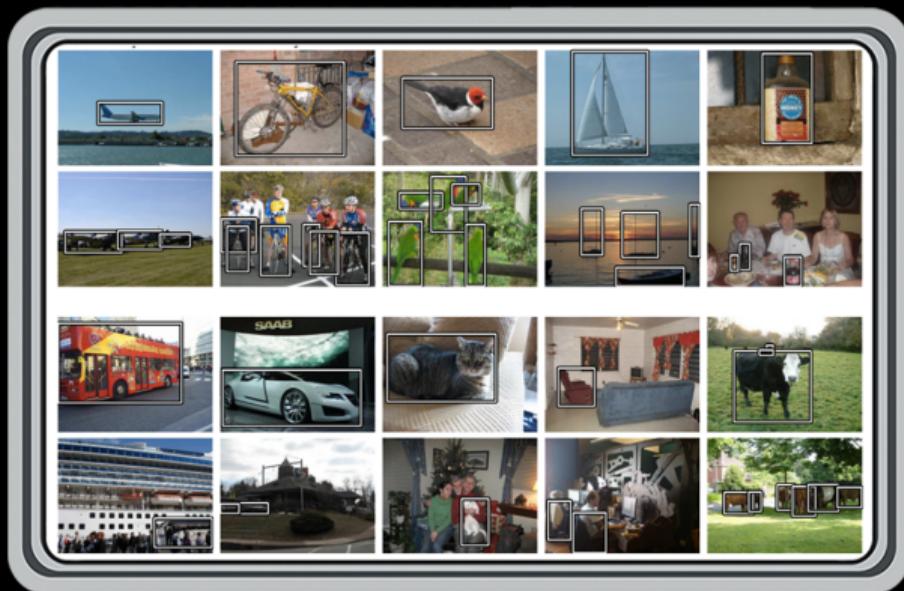


# ДЕТЕКЦИЯ ОБЪЕКТОВ

# ДЕТЕКЦИЯ ОБЪЕКТОВ



# СКОЛЬЗЯЩЕЕ ОКНО

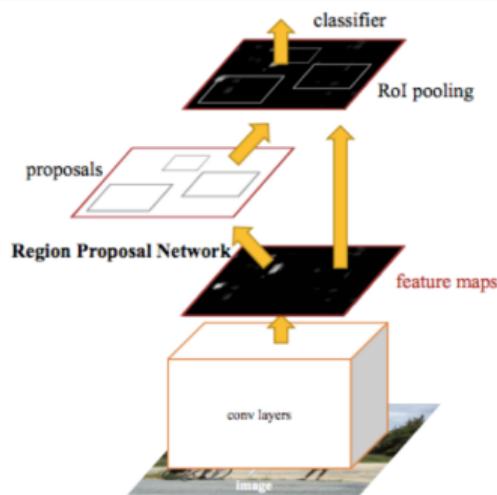
---

- Скользящее окно на разных масштабах
- Легкий классификатор гипотез

<https://github.com/rbgirshick/rcnn>

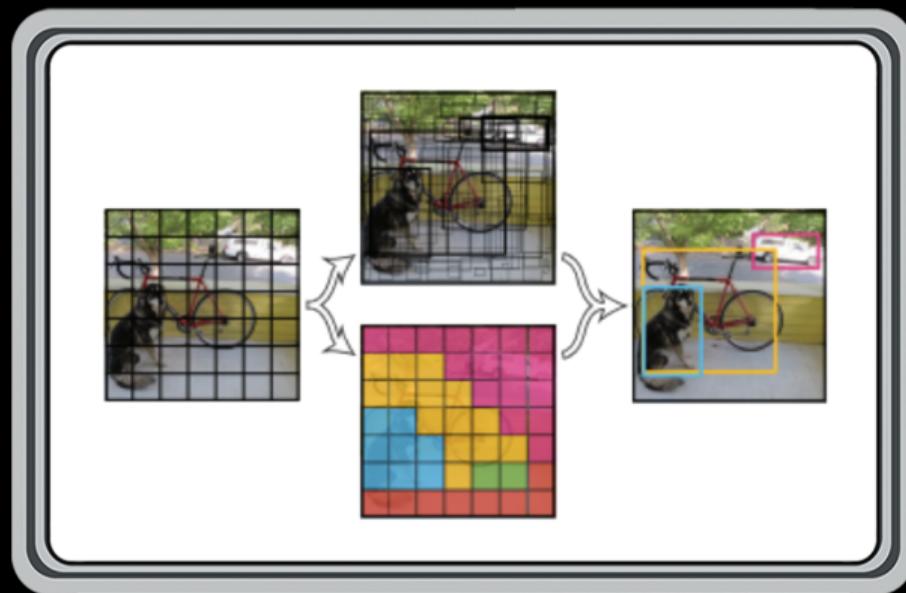
# FASTER RCNN

[https://github.com/ShaoqingRen/faster\\_rcnn](https://github.com/ShaoqingRen/faster_rcnn)



# YOLO

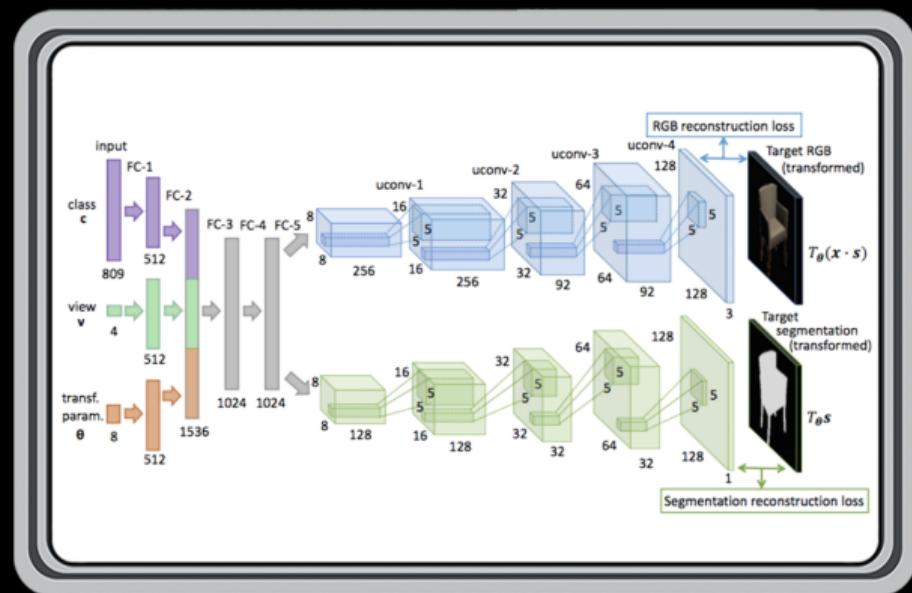
<http://pjreddie.com/darknet/yolo/>



Real-Time Detectors	Train	mAP	FPS
100Hz DPM [30]	2007	16.0	100
30Hz DPM [30]	2007	26.1	30
Fast YOLO	2007+2012	52.7	<b>155</b>
YOLO	2007+2012	<b>63.4</b>	45
Less Than Real-Time			
Fastest DPM [37]	2007	30.4	15
R-CNN Minus R [20]	2007	53.5	6
Fast R-CNN [14]	2007+2012	70.0	0.5
Faster R-CNN VGG-16[27]	2007+2012	73.2	7
Faster R-CNN ZF [27]	2007+2012	62.1	18

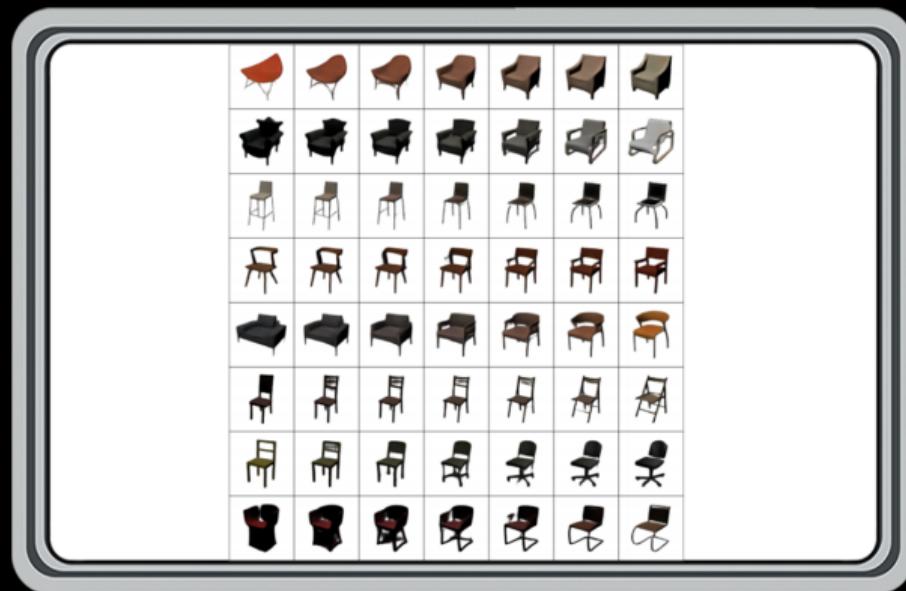
# ГЕНЕРАТИВНЫЕ СЕТИ

<https://arxiv.org/pdf/1411.5928.pdf>

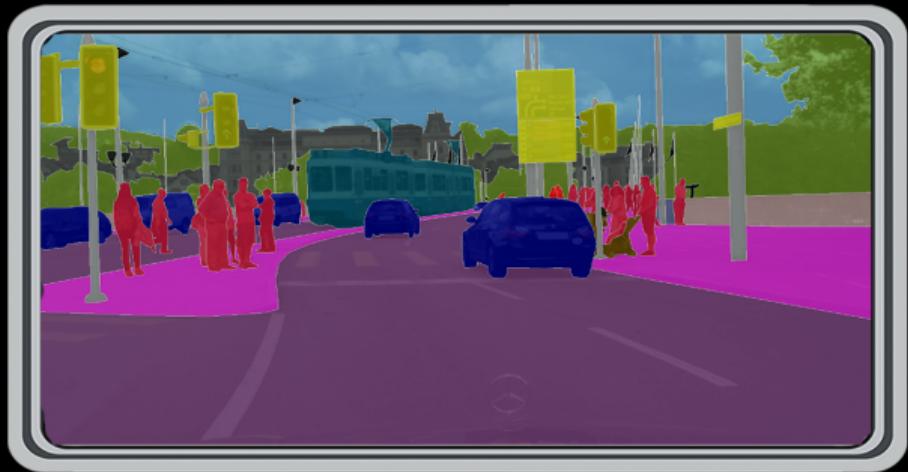


# ГЕНЕРАТИВНЫЕ СЕТИ

<https://arxiv.org/pdf/1411.5928.pdf>

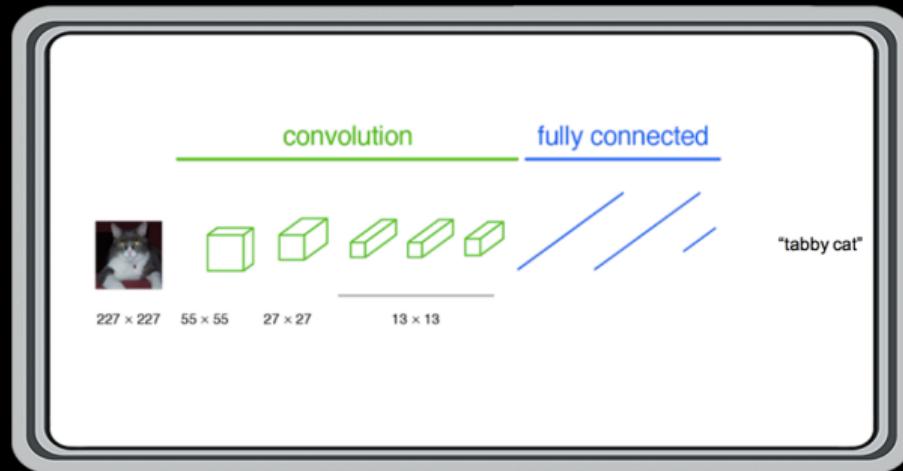


# СЕМАНТИЧЕСКАЯ СЕГМЕНТАЦИЯ



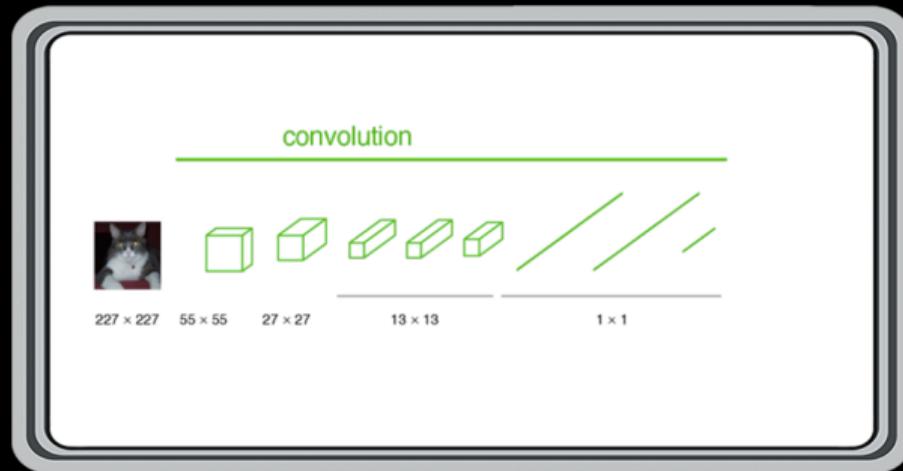
# FULLY CONVOLUTIONAL NETWORKS

[https://people.eecs.berkeley.edu/~jonlong/long\\_shelhamer\\_fcn.pdf](https://people.eecs.berkeley.edu/~jonlong/long_shelhamer_fcn.pdf)



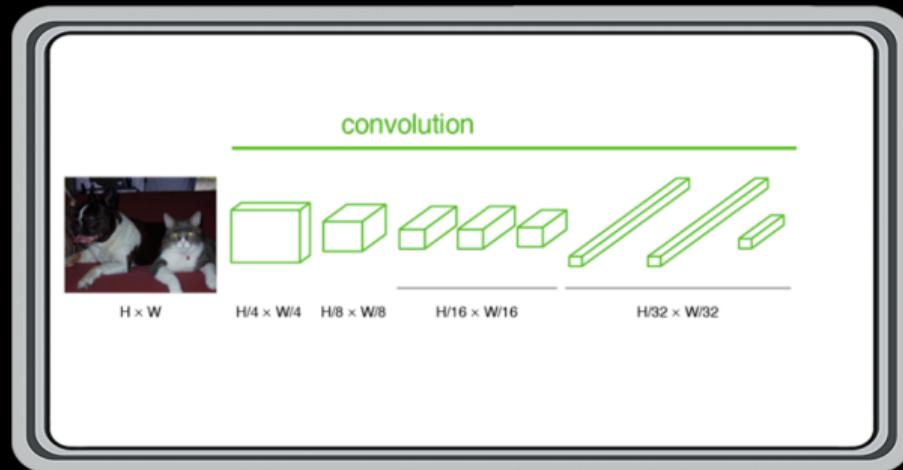
# FULLY CONVOLUTIONAL NETWORKS

[https://people.eecs.berkeley.edu/~jonlong/long\\_shelhamer\\_fcn.pdf](https://people.eecs.berkeley.edu/~jonlong/long_shelhamer_fcn.pdf)



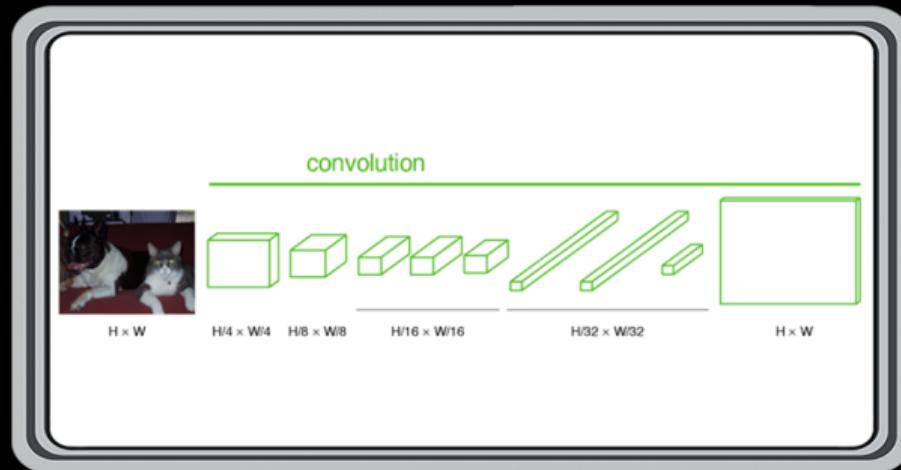
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[https://people.eecs.berkeley.edu/~jonlong/long\\_shelhamer\\_fcn.pdf](https://people.eecs.berkeley.edu/~jonlong/long_shelhamer_fcn.pdf)



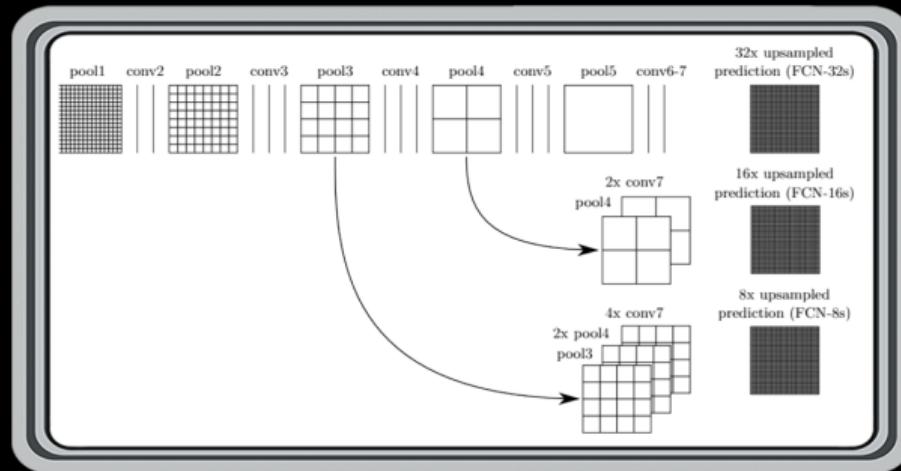
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[https://people.eecs.berkeley.edu/~jonlong/  
long\\_shelhamer\\_fcn.pdf](https://people.eecs.berkeley.edu/~jonlong/long_shelhamer_fcn.pdf)



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# SEGNET

[mi.eng.cam.ac.uk/projects/segnet/tutorial.html](http://mi.eng.cam.ac.uk/projects/segnet/tutorial.html)

