

Продвинутые архитектуры глубоких сетей

2020

ResNet

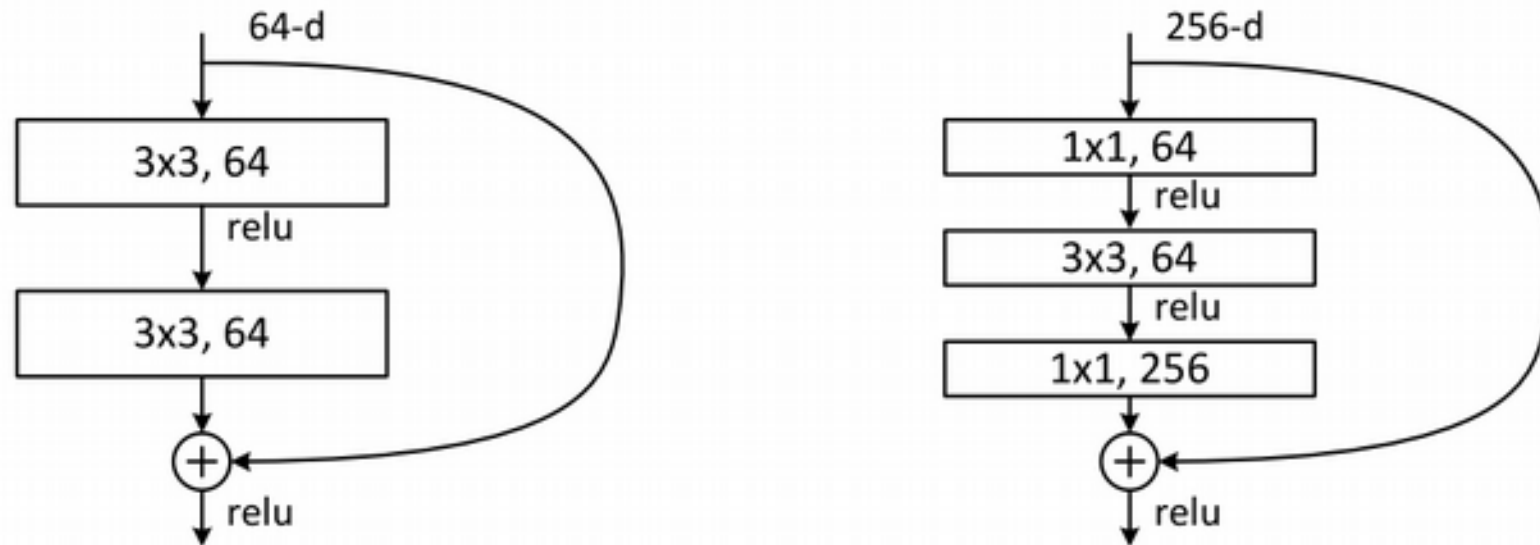
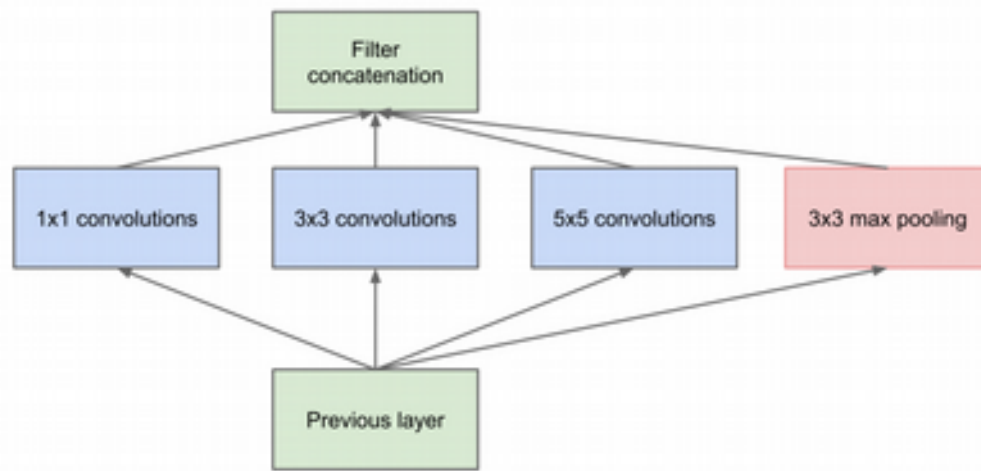
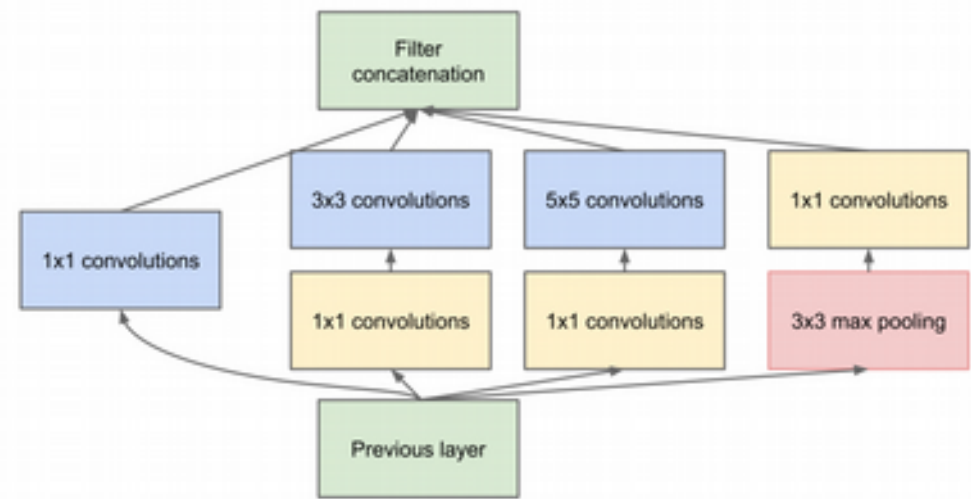


Figure 5. A deeper residual function \mathcal{F} for ImageNet. Left: a building block (on 56×56 feature maps) as in Fig. 3 for ResNet-34. Right: a “bottleneck” building block for ResNet-50/101/152.

Inception



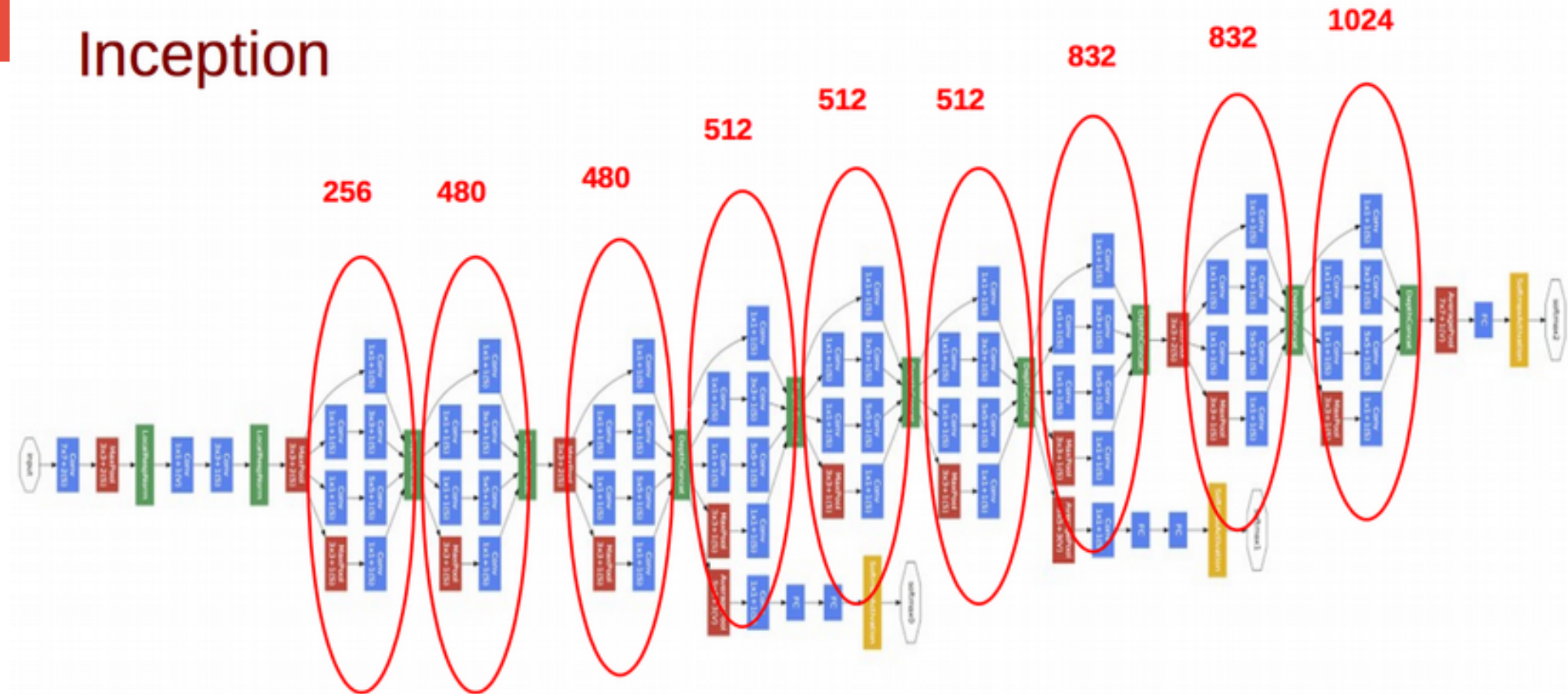
(a) Inception module, naïve version



(b) Inception module with dimension reductions

Figure 2: Inception module

Inception



Width of **inception modules** ranges from 256 filters (in early modules) to 1024 in top inception modules.

ResNet+Inception

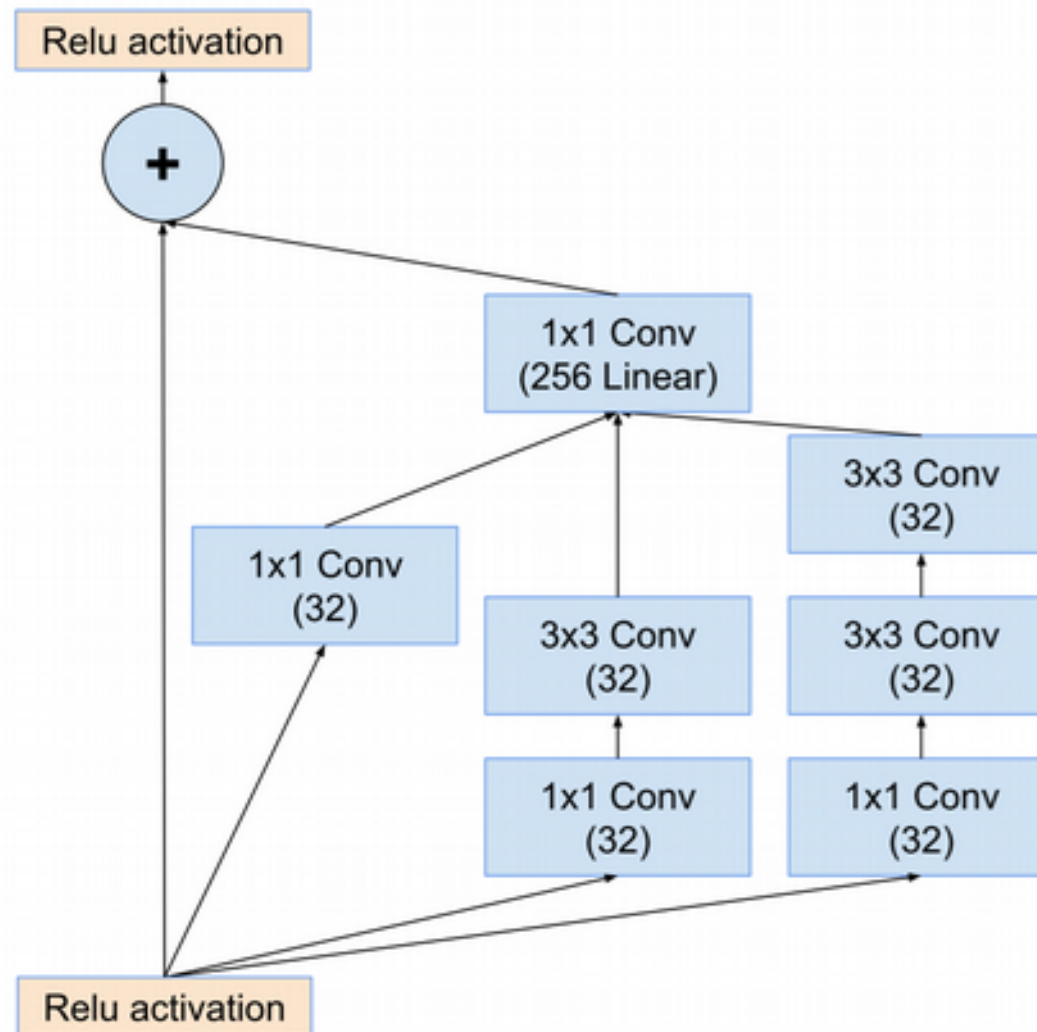
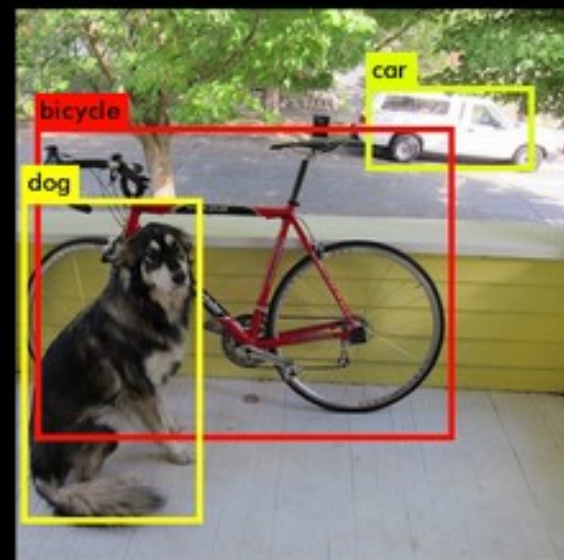
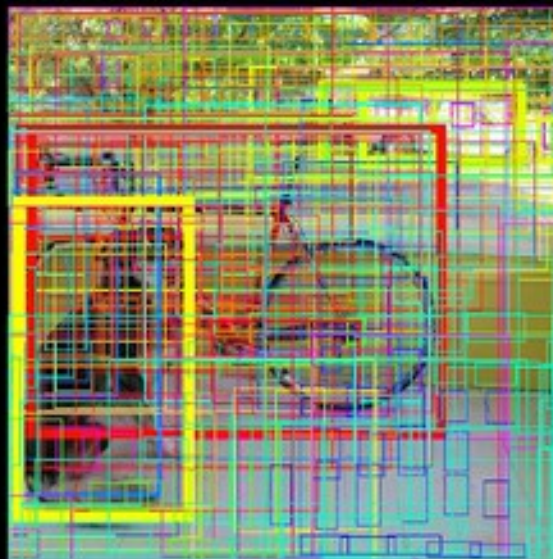
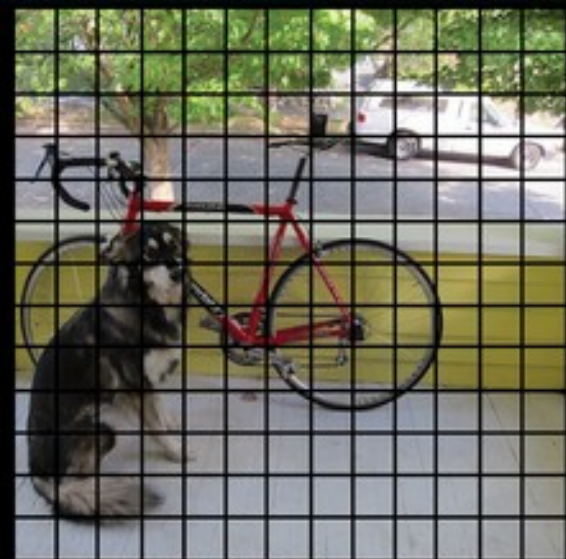
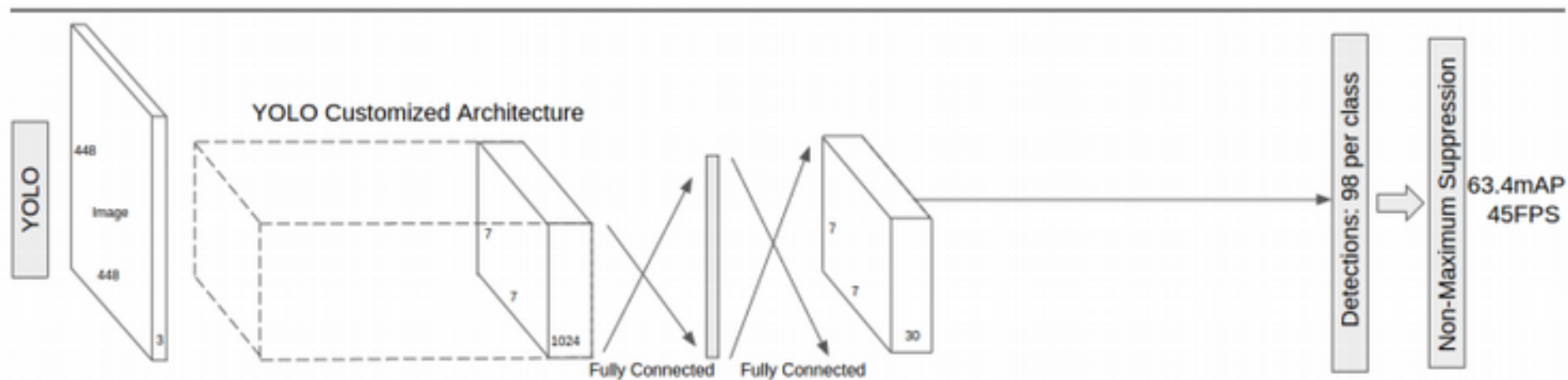


Figure 10. The schema for 35×35 grid (Inception-ResNet-A) module of Inception-ResNet-v1 network.

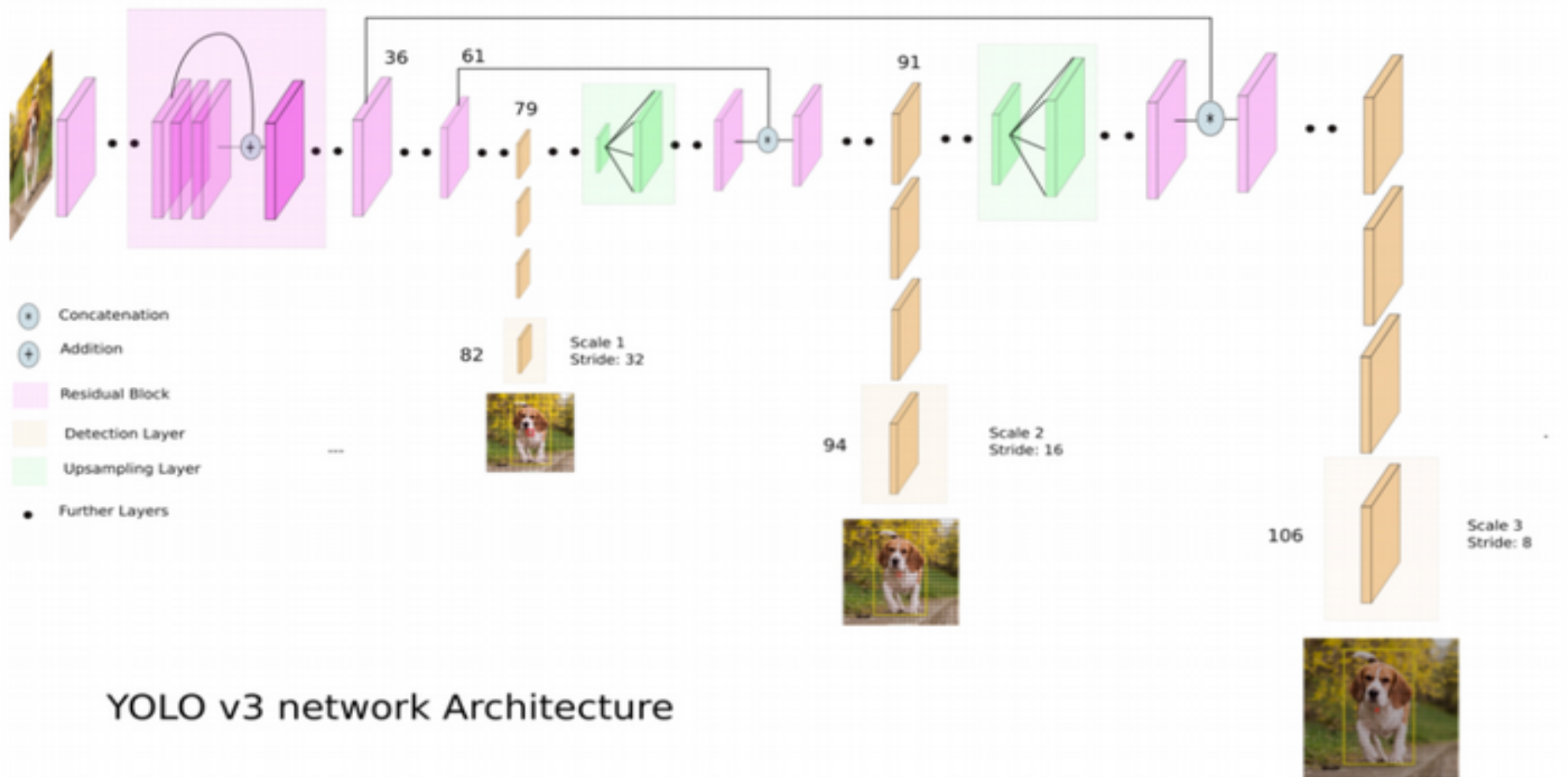
Детекторы объектов



Детекторы объектов YOLO



Детекторы объектов YOLO v3



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

Детекторы объектов SSD

