

Figure S1. The framework of RetinaNet

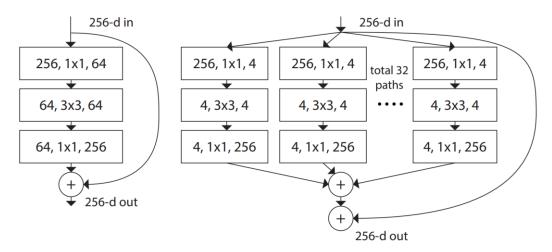


Figure S2. Left: ResNet block. Right: ResNeXt block

stage	output	ResNet-50		ResNeXt-50 (32×4d)	
conv1	112×112	7×7, 64, stride 2		7×7, 64, stride 2	
conv2	56×56	3×3 max pool, stride 2		3×3 max pool, stride 2	
		[1×1, 64]	×3	[1×1, 128	×3
		3×3, 64		$3 \times 3, 128, C = 32 \times 3$	
		$[1 \times 1, 256]$		1×1, 256	
conv3	28×28	[1×1, 128]	×4	[1×1, 256	×4
		3×3, 128		$3\times3,256,C=32$ \times	
		$[1\times1,512]$		1×1,512	
conv4	14×14	1×1, 256	×6	[1×1, 512	×6
		$3 \times 3,256$		$3\times3,512,C=32$ \times	
		$[1\times1,1024]$		1×1, 1024	
conv5	7×7	1×1,512	 ×3	[1×1, 1024] ×3
		3×3, 512		3×3, 1024, <i>C</i> =32	
		$1 \times 1,2048$		1×1, 2048	
	1×1	global average pool		global average pool	
		1000-d fc, softmax		1000-d fc, softmax	

Figure S3. ResNet 50 and ResNeXt50(32x4d)