YOLOV3

No.	Operation	Filter	Size	Stride	Input	Output	Type
0	Conv2dBatchLeaky	32	3x3	1	416x416x3	416x416x32	DBL
1	Conv2dBatchLeaky	64	3x3	2	416x416x32	208x208x64	DBL
2	Conv2dBatchLeaky	32	1x1	1	208x208x64	208x208x32	
3	Conv2dBatchLeaky	64	3x3	1	208x208x32	208x208x64	Res_Unit1
4	Res		1		208x208x64	208x208x64	
5	Conv2dBatchLeaky	128	3x3	2	208x208x64	104x104x128	DBL
6	Conv2dBatchLeaky	64	1x1	1	104x104x128	104x104x64	
7	Conv2dBatchLeaky	128	3x3	1	104x104x64	104x104x128	
8	Res		5		104x104x128	104x104x128	
9	Conv2dBatchLeaky	64	1x1	1	104x104x128	104x104x64	Res_Unit2
10	Conv2dBatchLeaky	128	3x3	1	104x104x64	104x104x128	
11	Res		8		104x104x128	104x104x128	
12	Conv2dBatchLeaky	256	3x3	1	104x104x128	52x52x256	DBL
13	Conv2dBatchLeaky	128	1x1	1	52x52x256	52x52x128	
14	Conv2dBatchLeaky	256	3x3	2	52x52x128	52x52x256	
15	Res		12		52x52x256	52x52x256	
16	Conv2dBatchLeaky	128	1x1	1	52x52x256	52x52x128	
17	Conv2dBatchLeaky	256	3x3	1	52x52x128	52x52x256	
18	Res		15		52x52x256	52x52x256	
19	Conv2dBatchLeaky	128	1x1	1	52x52x256	52x52x128	
20	Conv2dBatchLeaky	256	3x3	1	52x52x128	52x52x256	
21	Res		18		52x52x256	52x52x256	
22	Conv2dBatchLeaky	128	1x1	1	52x52x256	52x52x128	
23	Conv2dBatchLeaky	256	3x3	1	52x52x128	52x52x256	
24	Res		21		52x52x256	52x52x256	
25	Conv2dBatchLeaky	128	1x1	1	52x52x256	52x52x128	Res_Unit8
26	Conv2dBatchLeaky	256	3x3	1	52x52x128	52x52x256	
27	Res		24		52x52x256	52x52x256	
28	Conv2dBatchLeaky	128	1x1	1	52x52x256	52x52x128	
29	Conv2dBatchLeaky	256	1x1	1	52x52x128	52x52x256	
30	Res		33		52x52x256	52x52x256	

No.	Operation	Filter	Size	Stride	Input	Output	Type
31	Conv2dBatchLeaky	128	1x1	1	52x52x256	52x52x128	
32	Conv2dBatchLeaky	256	3x3	1	52x52x128	52x52x256	
33	Res		30		52x52x256	52x52x256	
34	Conv2dBatchLeaky	128	1x1	1	52x52x256	52x52x128	
35	Conv2dBatchLeaky	256	3x3	1	52x52x128	52x52x256	
36	Res		33		52x52x256	52x52x256	
37	Conv2dBatchLeaky	512	3x3	2	52x52x256	26x26x512	DBL
38	Conv2dBatchLeaky	256	1x1	1	26x26x512	26x26x256	
39	Conv2dBatchLeaky	512	3x3	1	26x26x256	26x26x512	
40	Res		37				
41	Conv2dBatchLeaky	256	1x1	1	26x26x512	26x26x256	
42	Conv2dBatchLeaky	512	3x3	1	26x26x256	26x26x512	
43	Res		40		26x26x512	26x26x512	
44	Conv2dBatchLeaky	256	1x1	1	26x26x512	26x26x256	
45	Conv2dBatchLeaky	512	3x3	1	26x26x256	26x26x512	
46	Res		43		26x26x512	26x26x512	
47	Conv2dBatchLeaky	256	1x1	1	26x26x512	26x26x256	
48	Conv2dBatchLeaky	512	3x3	1	26x26x256	26x26x512	
49	Res		46		26x26x512	26x26x512	
50	Conv2dBatchLeaky	256	1x1	1	26x26x512	26x26x256	
51	Conv2dBatchLeaky	512	3x3	1	26x26x256	26x26x512	
52	Res		49		26x26x512	26x26x512	
53	Conv2dBatchLeaky	256	1x1	1	26x26x512	26x26x256	
54	Conv2dBatchLeaky	512	3x3	1	26x26x256	26x26x512	
55	Res		52		26x26x512	26x26x512	
56	Conv2dBatchLeaky	256	1x1	1	26x26x512	26x26x256	
57	Conv2dBatchLeaky	512	3x3	1	26x26x256	26x26x512	
58	Res		55		26x26x512	26x26x512	
59	Conv2dBatchLeaky	256	1x1	1	26x26x512	26x26x256	
60	Conv2dBatchLeaky	512	3x3	1	26x26x256	26x26x512	
61	Res		58		26x26x512	26x26x512	
62	Conv2dBatchLeaky	1024	3x3	2	26x26x512	13x13x1024	DBL

No.	Operation	Filter	Size	Stride	Input	Output	Type
63	Conv2dBatchLeaky	512	1x1	1	13x13x1024	13x13x512	Res_Unit4
64	Conv2dBatchLeaky	1024	3x3	1	13x13x512	13x13x1024	
65	Res		62		13x13x1024	13x13x1024	
66	Conv2dBatchLeaky	512	1x1	1	13x13x1024	13x13x512	
67	Conv2dBatchLeaky	1024	3x3	1	13x13x512	13x13x1024	
68	Res		65		13x13x1024	13x13x1024	
69	Conv2dBatchLeaky	512	1x1	1	13x13x1024	13x13x512	
70	Conv2dBatchLeaky	1024	3x3	1	13x13x512	13x13x1024	
71	Res		68		13x13x1024	13x13x1024	
72	Conv2dBatchLeaky	512	1x1	1	13x13x1024	13x13x512	
73	Conv2dBatchLeaky	1024	3x3	1	13x13x512	13x13x1024	
74	Res		71		13x13x1024	13x13x1024	
75	Conv2dBatchLeaky	512	1x1	1	13x13x1024	13x13x512	DBL1
76	Conv2dBatchLeaky	1024	3x3	1	13x13x512	13x13x1024	DBL2
77	Conv2dBatchLeaky	512	1x1	1	13x13x1024	13x13x512	DBL3
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77	Conv2dBatchLeaky	512	1x1	1	13x13x1024	13x13x512	DBL3
78	Conv2dBatchLeaky	1024	3x3	1	13x13x512	13x13x1024	DBL4
79	Conv2dBatchLeaky	512	1x1	1	13x13x1024	13x13x512	DBL5
80	Conv2dBatchLeaky	1024	3x3	1	13x13x512	13x13x1024	DBL
81	Conv2dBatchLeaky	Filter	1x1	1	13x13x1024	13x13x60	Class=15
82	Yolo1						
83	Route 79						
84	Conv2dBatchLeaky	256	1x1	1	13x13x512	13x13x256	DBL
85	Upsample			2	13x13x256	26x26x256	Upsampling
86	Route 85 61						Concat
87	Conv2dBatchLeaky	256	1x1	1	26x26x768	26x26x256	DBL1
88	Conv2dBatchLeaky	512	3x3	1	26x26x256	26x26x512	DBL2
89	Conv2dBatchLeaky	256	1x1	1	26x26x512	26x26x256	DBL3
90	Conv2dBatchLeaky	512	3x3	1	26x26x256	26x26x512	DBL4
91	Conv2dBatchLeaky	256	1x1	1	26x26x512	26x26x256	DBL5
92	Conv2dBatchLeaky	512	3x3	1	26x26x256	26x26x512	DBL

No.	Operation	Filter	Size	Stride	Input	Output	Type
93	Conv2dBatchLeaky	75	1x1	1	26x26x512	26x26x75	Conv
94	Yolo2						
95	Route 91						
96	Conv2dBatchLeaky	128	1x1	1	26x26x256	26x26x128	DBL
97	Upsample			2	26x26x128	52x52x128	Upsampling
98	Route 97 36						Concat
99	Conv2dBatchLeaky	128	1x1	1	52x52x384	52x52x128	DBL1
100	Conv2dBatchLeaky	256	3x3	1	52x52x128	52x52x256	DBL2
101	Conv2dBatchLeaky	128	1x1	1	52x52x256	52x52x128	DBL3
102	Conv2dBatchLeaky	256	3x3	1	52x52x128	52x52x256	DBL4
103	Conv2dBatchLeaky	128	1x1	1	52x52x256	52x52x128	DBL5
104	Conv2dBatchLeaky	256	3x3	1	52x52x128	52x52x256	DBL
105	Conv2dBatchLeaky	75	1x1	1	52x52x256	52x52x75	Conv
106	Yolo3						