U_0

k_l

$$5 * 5 * 28 * 28 * 6 + 6 * 28 * 28 = 122,304$$

$$\boxed{5 * 5 * 6 + 6 = 156}$$

$$\boxed{6 * 28 * 28 + 6 * 14 * 14 = 5,880}$$

$$\boxed{6 + 6 = 156}$$

$$= 6 * 5 * 5 * 10 * 10 * 10 + 10 * 10 * 16 = 151,600$$

$$= 5 * 5 * 3 * 6 + 5 * 5 * 4 * 9 + 5 * 5 * 6 * 1 + 16 = 1,516$$

$$= 6 * 5 * 5 * 10 * 10 * 16 + 10 * 10 * 16 = 241,600$$

$$= 5 * 5 * 16 * 6 + 16 = 2416$$

$$= 16 * 10 * 10 + 16 * 5 * 5 = 2,000$$

$$= 16 + 16 = 32$$

$$= 16 * 5 * 5 * 120 + 120 = 48,120$$

$$\boxed{= 120 * 84 + 84 = 10,164}$$

$$84 * 10 = 840$$

K_{xy}

$\underline{\lfloor v^b}$

$\underline{\lfloor v^m}$

$\llcorner c$

http : //www.nada.kth.se/cvap/actions/

$http://crcv.ucf.edu/data/UCF_Sports_Action.php$

$http://www.di.ens.fr/\ laptev/actions/hollywood2/$

$$f(x) = \max(0, x)$$

1.2

1.4%

$$b_{x,y}^{i} = a_{x,y}^{i} / \left(k + \alpha \sum_{j=\max(0,i-n/2)}^{\min(N-1,i+n/2)} (a_{x,y}^{j})^2 \right)^{\beta}$$

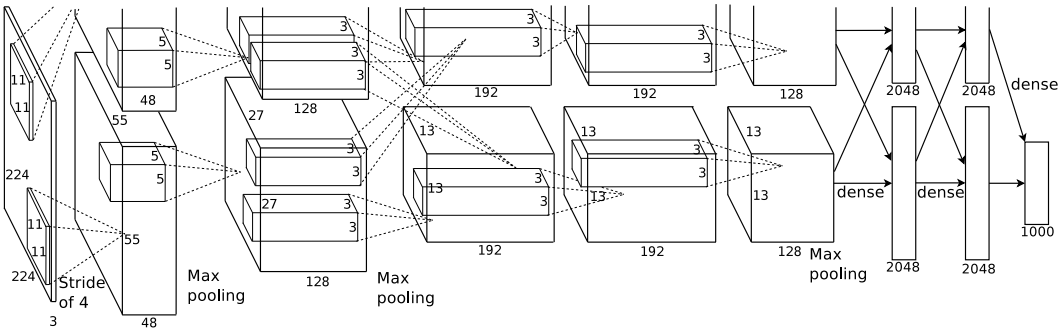
$k = 2, n = 5, \alpha = 10^-4$

$\beta = 0.75$

0.3

0.4%

3 ∏ 3

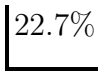

224
224
11
11
11
11
3
Stride
of 4
55
55
5
5
5
5
48
48
Max
pooling
27
27
128
128
3
3
3
3
3
3
3
3
Max
pooling
13
13
192
192
192
192
128
128
13
13
13
13
Max
pooling
dense
2048
2048
2048
2048
dense
dense
1000

0.1

50%

$\underline{\lfloor 2^N}$

20%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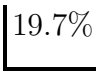
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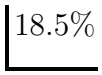
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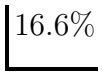
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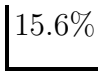
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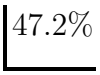
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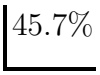
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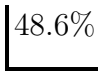
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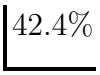
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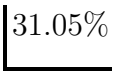
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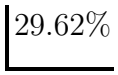
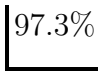

29.62%

> 13.000


97.3%