





apsara
Date:
2 (13 2 (0) (1)
2 ^[1] 2 [1] a ^[1] 2 signoid (? ^[1]). 2 ^[2] 2 a ^[1] w ^[2] a ^[2] 2 signoid (? ^[2]). 2 ^[3] 2 a ^[2] w ^[3] . a ^[3] 2 signoid (? ^[3]).
a 2 signoid (? (2).
2[3] 2 [2] w [3] a [3] 2 giannoid (2 [3])
i) aly 1,
dy
ii) sy sy sy sy 1x 2[3] (1-2[3]) = 0.285 (1-0.285) SZ Sy dz[3] = 0.204.
S 2 Sy d 2 [3]
3 84 64 64 92/3
50[2] Sy Sy . 82[3] 0.204 xw[3] 20.204 x0.5 = 0.1018.
and the same of th
[1) Sy Sy Sa[2] 20.1018 × 2 [2] (1-2[2]) = 0.1018 × 0.25 × 0.42
82- 8014 8214
7.81 - 20.0205.
3 8 2 12 Satura 20.020 x 0.5 = 0.01020.
8 2 (2) Saturina 8 2 (2)
Vi) Sy , 0.01026 × 0.28 × 0.78 , 0.0019240,
8 2 103
· Sy 20.0992×0.820.00096.
80013
, , , , , , , , , , , , , , , , , , ,
6) X 2 [2, 4, 6, 8, 10].
D 2 2 . D ho Le D + O + O 2 O + O + O 2 O & O + O + O 2
B = 1.
x (x-x) x-x . xnew 2 x xnown + B.
Volum (x)
4 4 -0.633 -0.26
a) so layers a che margin wie o recenter. On the sound of the
8
52.66-00
74.30 40.
2x,30, 40.

	apsara	
	Date:	
ZX 30 26 2 X	for the same	
$Van(x) = \frac{1}{m-1} = \frac{1}{2} (x + x) = \frac{40}{4}$	[8] Do 12	
Van(x) = - Z (x x x) = 40	10: 10: 10:	
W-1	10.	
Van (x) 210.	. / . / . / V	
7) 0-0.5		
ROLL	pa ja	
Drop-prob 20.5	the state of the s	
Sample 1 · 10 · 5 · Sample 2 · dropped · sample 3 · dropped ·	SI→ r.	
Sample 2 - il air 1	32 -> <	
Sample 3	S3 - 7.5	
Sample 3 - dropped. Sample 4. 15 7.5.	24 -> 4.2.	
Total plants	A exi	
Total 0/8 2 12.5	Total 0/p, 25.	
IAA (III A TO		
12.5 25 y This is how it matches.		
	33 313 /d . 132 Cin	
8) of P of the convolution operation	u,	
	CHO. J. P. B. J. C.	
6×6 × 3×3 > 4×4.	6156	
	P. J. H. o. T. o. y. C. A.	
30+0-30 30+0+0 30+0+0 0+0+0		
0 30 30 0	V (x - x)	
0 30 30 0		
0 30 30 0	37 2	
22.5	A PARTY PART	
9) As layers get derper we encounte	· vaisting quadia	
problem - where gradents become very small during		
po back propagations This makes it hand of or come		
to effectively because of vanishing of	radients, the	
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	Manuscript of the State of the	

original image leatures might get diluted or lost our 10) The concept of wight sharing automorically reduces the no. parameter to be extinated I we take one pixel in the of P, it's obtained only from Part of the 2/p image & not from the entire image is CNNS comment each neuron only to a small total region of the DIP called receptive field dutike FNN where even meuron is connected to one another. This is called sparsity of connections. 12) Residual metrooks Stive the vansting gradient- problem + Sw so gradient does not vanish couv. 32 filtus. 28 x 28 x 192. 28 x 28 x 192. 28×28×32. 1-1 2 p. 2 28-1 3 p. P 2 13.5. Final dimensions = 55 x 55 x 192. Total multiplication => 3,77 64,42 464 373 conv. 128/1/tus Inception. · gaul, \$21, 5x5 60mV , 32/11/10; saul Strides 32 × 32 × 160 32 × 32 × 192 13+ 3×3 cow= 32×32 ×3×3×128 ×192 0 226492416 2nd 5x5 conv 232 x32 x5x5x32 x 192 2 1572 96400