

Explaination

| | MIWIFS | | | | | · Est | | |
|---|---|------|--|---------------------------------|------|--------|------------------|----|
| | Input image = 5x5 | | | | | | | |
| | a | an | Cl ₃ | Cly | as | - CITT | 21=3×3 | 1 |
| | 016 | a, | Olg | 9 | 010 | w, | wia |), |
| | au | an | 013 | au | 915 | x wy | ws u | 06 |
| | aic | 0117 | ais | ala | C120 | w, | w ₈ w | 9 |
| | azi | Olzz | 0125 | Clzy | 0125 | | | |
| | | | | | | | | |
| | Z, = w, a, + w2 a, + w2 a3 + w4 a6 + w9 a18 | | | | | | | |
| | Z2 = w, as + as w2 + w3 as + w4 a8 + wa cus | | | | | | | |
| Z3 = w, an + w2 c42 + w3 c43 + w4 c46 + w9 c423 | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | 1_ | | Flatten | Z ₁ Z ₂ | | ^ | adout 4 | |
| $ Z_1 $ $ Z_2 $ \Rightarrow $ Z_3 $ $ Z_3 $ $ Z_3 $ $ Z_3 $ | | | | | | | | |
| [Z ₃ Z ₄] | | | | | | | | |
| | | | | | | | | |
| weight updation: $w_i^* = w_i - \alpha_x aL$ | | | | | | | | |
| | U | | | | | | awi | |
| w* = updated weight | | | | | | | | |
| w = old weight | | | | | | | | |
| i = number of weight from 1 to 9 | | | | | | | | |
| a = learning weight | | | | | | | | |
| | | | THE PARTY OF THE P | 57 1 14 14 W | | | | |

: 810 MTWTFS DL/JW, DL/JWs DL/JWs Typus Hous House 24 2w7 24 2008 24 264 change in w, will cause change in Z, L Z, will cause change in y and Loss $\frac{\partial L}{\partial \omega_1} = \frac{\partial Z}{\partial \omega_2}, \quad \frac{\partial \hat{y}}{\partial z_1}, \quad \frac{\partial L}{\partial \hat{y}} = \frac{\partial L}{\partial z_1}$ + 8 22 . 29 . 21 3 21 dw, dz, dg dz, + 223 | 29 . 2L 3 2L DW1 (923 93) 953 + 224 . 86 . 26 + ∂w, (∂z4 ∂ŷ) 11 = 0z, . dl + dz, . dl + dz, . dl + dz4. dl dwi dwi dz dwi dz dwi dz dwi dz

allia de la constante de la co

MTWTFS DL = 821 . DL + 822 . DL + 823 . DL + 824 . DL dw, dw, dz, dw, dz, dw, dz, dw, da, I to pind partial derivative of this we have, Z1 = w, a4 + w, a2 + waay 7,000 = w, 013 + w, 04+ ... + wa 1015 013 (1) x a11 + wz e112 + . . + 62 9 923 Z3 Cli = W, x 913 + W2 Wint ... + W3 925 スリ 0113 al = 04 21 + a3 21 + a, 21 + a, 31 DZ2 0123 224 27, Dw, por W2. Same

MTWTFS Z1 = W, Xay + W, az + · · · + Wacy3 Z2 2 WIX ast W2 94+ + W9915 = Oly Z3 2 W, Q, + W, Q12 + + W q Oliz 2 Cl12 Z4 = W, 013 + W2014 + · · · · + W9025 = 044 dl = 02 dl + 04 dl + a 12 dl + am dl dzz DT. Dw2 DL and + dis dL + and dL + and dl ,95r dwg. dz1