

Ourpure Dimensions After Convolution  $= \left[ \frac{(W-F+2P)}{S} \right] + 1$ W= mput width / height T- : kenel / tilber size P. padding (O for "valid" padding) add extra pixels outside existing inpure S: stride (move the kernel by S each time) Output Dimension After Entrolytion Pooling typically S= F = [(W-F) + 1 I D D till connect top layer [ weight ( per filters) = matrix # param = Egg. Carpet (K)2 bias (per filter) = single value to shift restile to other network fit better bottom layer Cont: # paran tramed = Comput · (Coutput · K· K + Full Connect = # parara trained = Nimput Noutput + 1. Noutput # paramet in ignor # paramer in output (1,1x2) 1-1-400 Toller 1 (6-101-3) (1,1)(1) mpt 1/4, (6.3) (CINE) Could in hour - H 11 21