(1) Ch: Mal class

=> At is an n-dim considered danse away class.

=> The data layout of among M is defined by the amay Mistop[], So that the address of element (10, -- , i Midims -1) where O & Ix < Misize[K]. is computed as

addr (Mio, ... in.dine-1) = M. deta + M. st.p [0] * 10 + --- + M. St. p [M.di->-1] x in.vin>-1

=> For 2-dim array,

addon (Mij) = M. deta + M. st. p [0] * i + M. st. p [1] + j

=> The data contained in cu! Mad is not one guined to be simple painilives.

be either a single number or multiple number

La an the case of multiple numbers, this is what the library refers to as a mullichannel anay.

=> Pach matrix contain;

flegs => Signaling the contents of the amay.

dims > Number of dim cosion>

sous > Nomber of sous { not valid of dims>2}

a data pointer to where data is stored Ø) # a sietant siterine comten { cv: Met behaves vero much like} a sment pointer for the dala

=> Goding a Amaz

Mathod 1

cvi. Met m;

m. crede (900, al, Expe)

CV_[8U,165,16U,325,32F,64F] C{1,2,3]

Method 2 Cv:: Met m (210w, (01, type) 3

> OpenCV allows for aways with more than three chamels , but to construct one of these, you will have to call one of the fundion CV_{8U,165,16U,325,32F,64F) CC).

> -> There is no masso for CV-8UC7, to get this you would have to coll CV-8UC (7).

Method3

=> Cooling a multi-dimension away

Int SZ[] = [100, 100, 100)

cv:: Met big Cube (3, 52, CV-8UC1, Scelen :: ell(0));

=> Accessing Aman Element, Andividually

=> The basic mans of chirch acces is the (temptedo)
member function at (>1)

Exaple

Cv:: Mat m = cv:: Mail :: eye (10, 10, CV_32 FCZ);

m. at < cv: Vac 25> (3,3) [0];

m.at < cv:: Vo(2/> (3,3) [1];

1 CV:: Spansa Mat

(TODO)