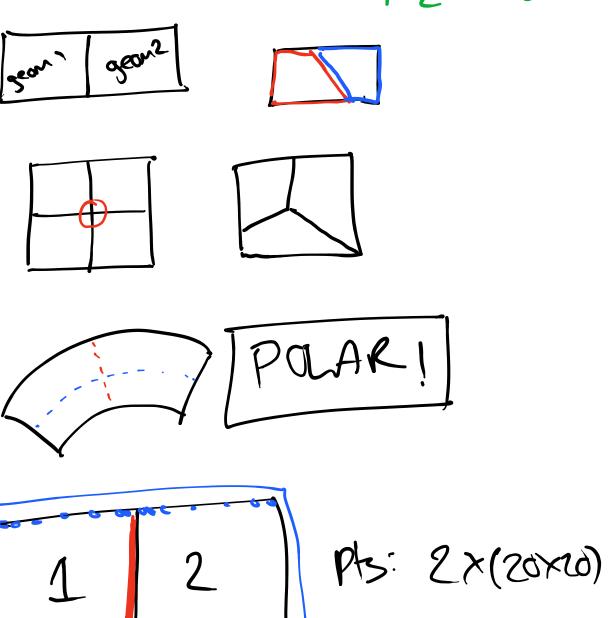
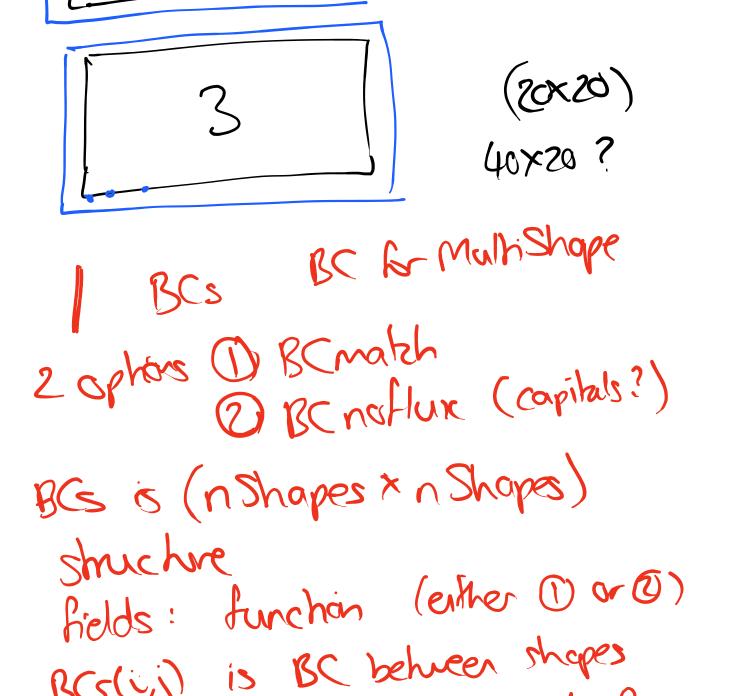


Y= list of corner pts Clonw. you an give (xi,yi) in ony order around Q

N2 ≠ N2





ilj (only need to specify him bounds: plotting/companing or a uniform grid (don't need for a standard computation) MS = Multishape (shapes) makes a MultiShape MS. Shapes ()). Shape first quad

open for " · pts: if shape (i) has pts (y, ku) -> (i), (i) MS. Pts. 41-hv Shape Mask (Ph. Mask) Ms ph 11 his (MS. Shapes (ishape)

. phymash) = Phs har Shape ishape NOT (NIXNICE) MS. DIFF. X Note: everything is stored in the coordinate rystem of the shape eg polar e cort

() (O \\\) · Integration [Int], Int n Shapes] · Corwluhan (some as shope) (dense-global) & cre²
Interpolation onto {2003 challerge: need believe which (X) shape (S) Zi lies in In shape interpolation is really done on C-1,17 x C-1,17 (ie in como: space)

Compute Interpolation Matrices . Takes a grid in (-1,1) · Conjutes interpolation, onto this grid in comp-spaced for each from rative Crob pts.

· Compute (nterpolation Mathieus Phys ob in physical space (y's)

See & e) if polar convert y to polar EC-1,17 × (0,1) comp space Cart 2 pol (y, ryz) 3) compspace (y) = X from Eshape n ve CID × (-11) then

If here is that shape comp Vectors can be michay on a shape a rechor 15 $V_1 \left(-\frac{1}{2} \right) 2N_1 \times N_2 \qquad V = \begin{pmatrix} V_1 \\ V_2 \end{pmatrix}$ $V_2 \left(-\frac{1}{2} \right) 2N_1 \times N_2 \qquad V = \begin{pmatrix} V_1 \\ V_2 \end{pmatrix}$ Make Vector (Pp)

. & (Grad & UZ)

grad ashapes U1=0 (vectors of length) complete aside: V = Make Vector (VIUZ) ill at hest pomg normal "left, right, top, bottom, adial 1. radial 2, oute, in ?"

bound intersections (iiii) normals Thouble

let

