Texturing (Pt 2)

March 5

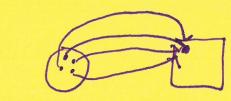
Competing goals for P:

Bijectire!

injecture (1-1); each point from texture corres from one point on modet

sorjecture (onto): each point in texture is target

from the model



Size distorition! Size of texture approx const accross surface (intimit) points on the surface that are about dist of they map to tex coods that have about dist of (scale) (math) may of dir: V of & should not change too much

(2 M) got why ST 2 how Competing yours for o injective (1-1), each your from top we come from fator no tong ons. surjective funds), each point in feature is they the labor alt most Femore your stat for asie individual forms circulation the surface that one education Her my to they cook that here also distilled han it you too thicks to the Visited and Intern

Shape distortion. Not too distorted (intuit) circles of sufface of shape Should may to neighborhood appror circles in texture (math) directron direct doesn't change too much in diff directions continuity! no too many 'Seams" (inuit) reighborhood of points on shape

map to reighborhood of points in testre (math) \$ is continuous

Shape dislotion: Not for dislocked could circle it suffer it show broadly my to reightent apport onches in texture man) decelor dies dessit chap to much Contract on to part sums! symbolic dies de bostedpism (tima) that is something to book which in it find exemption of a minor

$$\begin{array}{c} P: [0,1]^2 \rightarrow [0,T] \times [0,2T] \\ (u,v) \longmapsto (Tu,2Tv) \end{array}$$

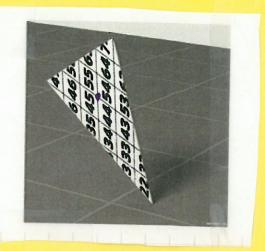
$$g' = [0,T] \times [0,2T] \rightarrow S^2$$

 $(z,\beta) \mapsto (cos(x)sin(\beta), sin(x)sin(\beta), cos(\beta))$

$$\phi = (g \circ f)^{-1}$$

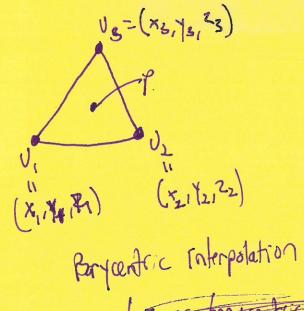
[10] V[10] - 2[0] 9 $= (v_{1}v_{1}) = (v_{1}v_{2})$ *:[0]x[0]x[0]:« (4)200 (4)200 (4)200 (4)200 (4)200) (4) 24-T 14-8 (A.b) = 0 () = ([+ 2 for(y)) (217, [17 - 426. []) +

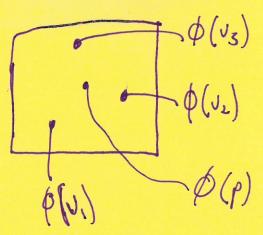
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01				41					
00									



09	19	29	39	49	59	69	79	89	99
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06	16	16	86	46	50	60	7	86	96
0	V 5	20	35	秀	55	海	75	25	99
SA	1	SA	34	aa	-	64	Ja	8	34
93	13	23	23	43	53	63	3	88	93
02	12	22	32	42	52	62	72	82	92
01	11	21	31	41	51	61	71	81	91
00	10	20	30	40	50	60	70	80	90







mycentric interpolation

be as barjustic (1, 1, 2, 13, 1)



$$b = as_{bay} \cdot antric(v_{1}, v_{2}, v_{3}, l)$$

$$(u_{1}, v_{1}) = as_{ba} \cdot tex(v_{1})$$

$$(u_{2}, v_{2}) = as_{ba} \cdot tex(v_{2})$$

$$(u_{3}, v_{3}) = as_{ba} \cdot tex(v_{3})$$

$$(u_{4}, v_{5}) = as_{ba} \cdot tex(v_{3})$$

$$(u_{5}, v_{5}) = b.alpha(v_{1}) + b.bela(v_{2}) + b.gamma(v_{3})$$

 $(1, e^{i}, e^{i}, e^{i}) = a_{i} \cdot b_{i} \cdot b$