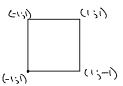
# Geometry

(cnocosa zaganin mononorun zpar willerere neullimuba



# 1 Triangle List (neperuen. beruuh no vacobook compence)









Index Buffer IB ind:

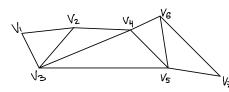
	4 ICICX	
0	0	
1	ı	
2	2	
7 3	3	
4	0	
5	2	



0	(-1 2-1)	
1	(1, 1)	
2	(1,5)	
3	(1,-1)	

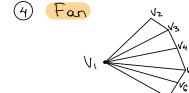
# 3 Strip

noch berwith cause onp. MH-BO D



- I. первые 3 верш. первый Д
- 2. Omor nerbylo berw.
- 3. cneg. 38epul. 6m0pood D

ватьно пошнить, что шениется поридок быгода вершин



аторити как у Strip, только начинаеш omoracolbamo e Vz.

 ybemory monche onucamb:

- мекстура коэф, освещённости

Porman Berully

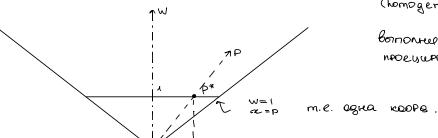
- : · position
  - normal (Krubuzha nob-mu b gazhab morke) (Hymcha euje color (diffuse)
  - · color (diffuse)
  - · coloz (specular) · texture coordinate (n)

# Transformation

в к.г. иеп. 4-x merkons сиетеша координам - Одноровной cumerua k. (homogeneus)

bonovierence verempaublice

npoeurpobotice



2 1000g - ruy buna

Therexag us 4-x merhoro np-ba B 3-x merhoe:

Z-better pasomaem c smed koops. Translate (T):

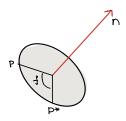
Scale (S)

Rotate (Rx) враия.

Учия Этрека дий поворота не опр. одно значно вкаш

Ognosnamo brawence onp. 4-un vivanu.

Hymero: • ykazamo oco bokryz komopoù braugamo (bekmop => 3 uucra) · gron (4 rencua)



Ho Boodine uchonosylom Klamerkuch

$$Q = (\vec{n}, \vec{f}) = (\vec{n} \cdot \sin(\vec{f}/2), \cos(\vec{f}/2)) \qquad \vec{n} = (\vec{\alpha} \cdot y \cdot z)$$

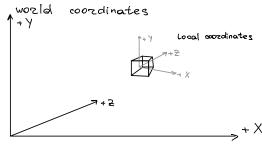
$$\begin{cases} 1 - 2 \cdot (y^2 + z^2) & 2(\alpha \cdot y - w \cdot z) & 2 \cdot (\alpha \cdot z + w \cdot y) \\ 2 \cdot (\alpha \cdot y - w \cdot z) & 1 - 2(\alpha^2 + z^2) & 2(y \cdot z - w \cdot z) \end{cases}$$

$$= (\vec{n} \cdot \vec{f}/2) \qquad \vec{n} = (\vec{\alpha} \cdot y \cdot z)$$

$$2 \cdot (\alpha \cdot y - w \cdot z) \qquad (\alpha \cdot y - w \cdot z) \qquad \text{unamp. Beaus. no}$$

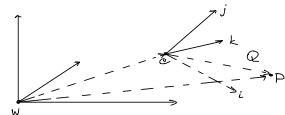
$$3 \cdot (\alpha \cdot z - w \cdot y) \qquad 2 \cdot (y \cdot z + w \cdot \alpha) \qquad (-2 \cdot (\alpha^2 + y^2)) \qquad \text{3agarthony KBam.- Hy}$$

Mperheaparhaisme & c.k. rowers



Pw = P. \* W

Murosau C.K. u aucm.K. Kamerti



$$W = \begin{bmatrix} i & i & i & i & 0 \\ j & j & j & 0 \\ k & k & k & 0 \\ C & C & C & 0 \end{bmatrix}$$
 Becomposition.

LAPEOD. US NOK B MOD.

$$U_3$$
 was.  $B$  nok:  

$$JV = W^{-1}$$

$$W = \begin{bmatrix} R & O \\ C & 1 \end{bmatrix} \qquad W^{-1} = \begin{bmatrix} R^{-1} & O \\ -CR^{-1} & 1 \end{bmatrix}$$

Projection

