

3/9 for 7V

one lighting calculation done for each face

3c) for each face, lighting calculation at all apts three vertices, then interpolate value for every pixel w/ banycentric coords

$$(3.6)V + F(3A+2A)$$

 $4pts \rightarrow 18V + 5AF \leftarrow 5pts$

$$A+\beta B+\beta C$$

$$3A+2A=5A$$

-3 for AF not SAF

-2 for summing 3 terms w/ 3 A not 2A

3d) for each pixel, Enterprelate hormal + normalize it + 9pts do lighting calculation

$$F(N+5A+N) = FV+5AF+FN$$
 $5pts$ $2pts$ $2pts$

2 if extra 7V

4) 2- N

Nisnomal (normalized)

L is normalized veetor to light

TIP

Pis the projection of L onto N P=N(N.L) = N(cos 0)

RAP ZP

R+L=2P, using parallelegian symmetry or vector addition

R = aP - L

= 2 (N (N.L))-L

double Prout Rands v broad R

3 pts know pieces

3pts useful preture

6 pts projection

6 pts doubling

6pts subtraction

missing -4 exposition