Piffuse Shading

-ex: paper, unfinished wood (not shiny)

Lamberts cos law

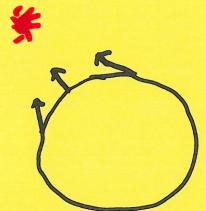
color ~ cos of

Color for Mxt few lectures

"directional light"



the right idea



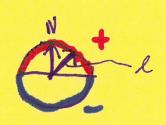
not wight idea

Feb 18" (10/2 form) from behindow representation alor for 1804 test latine





\$\rightarrow\)



nol > 0 =)
facing light

nol < 0 =)
not facing light

Diffure reflectence

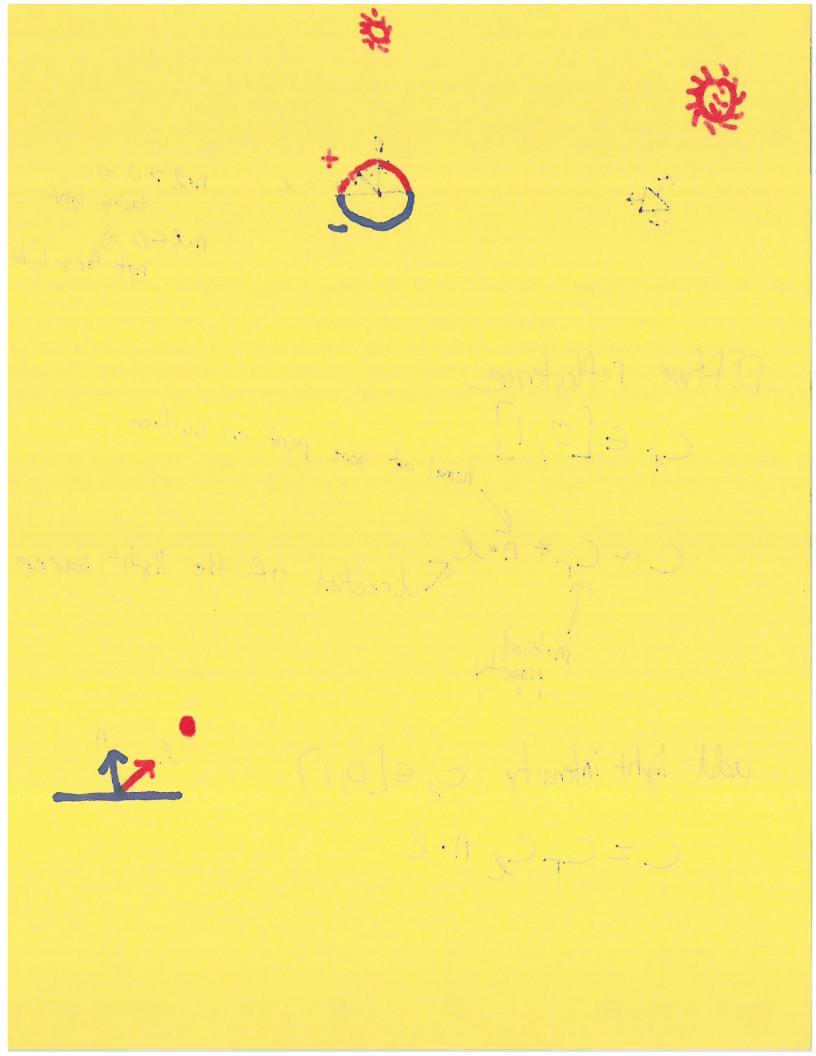
Cr E[0,1]

normal act some point on surface

normal a

add light intensity $c_e \in [0,1]$ $C = C_r C_e \cap e$





"Real #diffuse reflectence $C = C_r \otimes C_e * max(o, n \cdot l)$ = [Cr. red] Cr. red Cr. green & Cr. green & max(0, n.l) Cr. blue = [Cr.red * Ce.red]

Cr. gree & Ce.green of max(O, N.l)

Cr. ble & Ce. blue

Sentally the sentence (1.110) vom + 2 3 -2 = 0 (3.16) AV (3.07) & (3.16) = (3.16) (3 F (brigger brigger) (J. N. O) xxm 8/100 mx (O) 1.2)

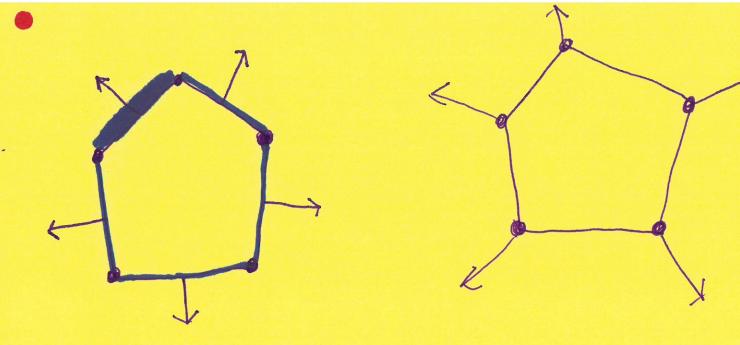
Add ambient lighting

Let Ca be ambient term $C = C_{\Gamma}(c_a + C_e \max(0, n \circ l))$ Problem c may be greater than I

1) c lamp between [0,1]

2) $c_a + c_e \subseteq (1,1,1)$

extheir treshoods and the land on 10 this (Jen 6) xm 23+ 23) 32= 2 I all her y your o publish [13] July 900 5 /



How do I get normals? 1) model comes up one

2) (heuristic) average of normals of As in Pan around verlex

3) if model is Ition of smooth surface compute from the surface

- Ivalial 1 206 is one down I - (Kennetz) amerija di- mendija dithe in the across going action Home for all a way file satisfies sit you? Surprise