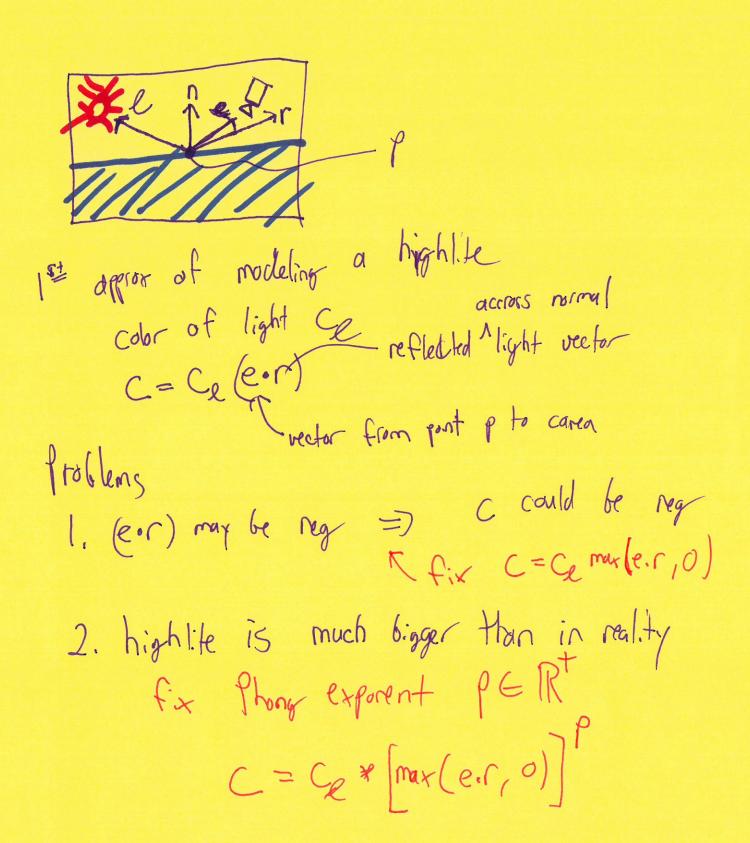
Phong Shading

02/20/2020



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Pat it together

- compute \( \cappa = -l + 2(l \cdot n) \cdot n \)

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normals

normal Qpormal Qw baycentric coord

(a, B,  $\sigma$ )

normal  $D_1$   $D_2$   $D_3$   $D_4$   $D_4$   $D_5$   $D_4$   $D_5$   $D_6$   $D_6$ 

e Notined to the onyite f 11 (n.3.) 2 +3- =7 Energine I suffer to more  $((x_1, y_2), x_1, y_2, y_3) = 0$ + (1.0, 0) xxn 20 + To Immin ASSESSED STATES OF THE STATES (T. A. A.) BACOLLE SE 100 -

Transforming normals: Surface normal: a rector that is L Is >n to target place X w Mas Ty Mn what is the N matrix that is our t a "sleerient" + (anform" that is Our transform Peire N and targent t are I >> nt=0 - surface normal n - want to find not m=0

observe:
$$0 = n^{T}t = n^{T}(m'm)t = (n^{T}m')(mt)$$

$$= (n^{T}m')t_{m} = 0$$

Time Similar Primals Did & topot -EN M W DEPOSE TO CO 33 Ja C. 1. Du A Hamit bus 0=1,+1,1 Lo.+ + +0001 HON MINDE SIND THE STATE STATES 多一点出作前一

Walten as cofactor matrix

$$N = \begin{bmatrix} w_{21}^{21} & w_{22}^{22} & w_{23}^{23} \\ w_{11}^{22} & w_{12}^{22} & w_{13}^{23} \\ w_{12}^{22} & w_{13}^{22} & w_{13}^{22} - w_{13}^{22} - w_{13}^{22} & w_{13}^{22} - w_{13}^{22} & w_{13}^{22} - w_{13}^{22} & w_{13}^{$$

