Illumination Model,—It is used to calculate interrity
Itighting / Shading of light at runface of the object. Light Bowcer - (i) Print Bowce (Sun)

Aight Bowcer - (i) Print Bowce (Sun)

Aight Bowcer - (i) Dutwilded Light Bowce

That that Bridge

Reflection

(i) Diffue Reflection

(i) Diffue Reflection

(i) Diffue Reflection Dough Pareny Surface Illumination Models

(Normanion)

(Source)

(Direction) (7) Specular Reflection Sdylwe = J(SL, O, P, D) + A(N) - (1) Sking Burjace Reflectivity Ambient West went Light also called for Ideal Dyme Rejlector Article 3 Kambertian Reflector Ddy = 1(0, P, SL) + A(V) 5 diff. = Kd Ja - 3. Ambient hight Insterrity Diffue Reflection Coefficient to a Raflection More
- o Max Light Abrant & Reflection low

Internity by light Occure (Point Eght Source) 3)
El, Ly. = Kd. J. (or O appropries Kalenter's hars Stary. = Kd Da + Kd D1 Card = Ka Sa + Kd Sl Con d Ambient hight Coefficient Hurrimotion — How to color Single point
Sharing — July officet Lêne light Calculation per polygon

Long Each Entine polygon drawn with name color.

- Each Entine polygon drawn with name color.

- Coop Color in composted once for each polygon. Drowback Band Effect Eld Internity Color Charge

Gowand Stading by ago Alburnation Model is Statementy Coloulite
Flat Sheding Ji) Fritapolation Behome To obtain Arrenage Unit Warrend Vector  $\frac{100}{N_1} \frac{1}{N_2} \frac{$ E Apply Allumination Model for calculating intensity. I Apply Jontenity Jonter polation (x, y) So (x, y2) (x, y2) () For 2 & 2 Ny = our the average narmal venticer. (VI, V2) 3 - Ju- J2 S1 + J1- Jy I2 J1- J2 J1- J2

3 can line 1 (1/2/2)  $\delta = \frac{y - y_2}{y_1 - y_2} \delta_1 + \frac{y_1 - y}{y_1 - y_2} \delta_2$ y = y - 1 y = y - 1  $y = (y - 1) - y_2$  y = (y - 1) - (y - 1) y = (y - $= \frac{y - y_2 - 1}{y_1 - y_2} \cdot \mathcal{F}_1 + \frac{y_1 - y_1 + 1}{y_1 - y_2} \cdot \mathcal{F}_2$  $= \frac{y-y_2}{y_1-y_2} \delta_1 = \frac{\delta_1}{y-y_2} + \frac{y_1-y_2}{y_1-y_2} \delta_2 + \frac{\delta_2}{y_1-y_2}$  $9' = 8 + \frac{5_2 - \frac{1}{3_1}}{\frac{1}{3_1 - \frac{1}{3_2}}}$ Ad. - No Intervity Qui continuity Quadr. - Mark Band (Bright Streck) Phone Shading under Interpolation Scheme of Comer under Interpolation Rendering

Et Det er mine average mar med rector

Stopm - Et Det er mine average mar med rector

at each vertor. Nr. 2 7N2

Otep- - (2) Limearly interpolate per pixel normal action mylace. 3) Apply Illumination model for calculating virtumity of projected pinal.

N, (M, y)

N, (M, y)

(M, y)

(M, y)  $N = \frac{y-y_2}{y_1-y_2} N_1 + \frac{y_1-y_2}{y_1-y_2} N_2$ Drea Butdinina Methord Object/Space
Dindd into Aria 2 Pinel Suy old No Suy, le Surface boundary compared I) Surface divide 1) Surrounding Suya le 2) Overlapping 3) Fride Dujau 4) Outride " 'U'A

Scanned with CamScanner

Cleck for dwerlapps ->