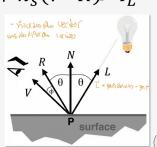
Phong Illumination Model

□ Single light source:

Single light source: Specular Single light source:
$$I = k_{\alpha}I_{a} + k_{d}(N \cdot L)I_{L} + k_{s}(V \cdot R)^{n}I_{L}$$

Myllyu 2 (01010)



₹ we or E = (0,4,-3) (a) [DIN = (3,410) - (0,0,0) Parus (3, 4,0) = (3,4,0) $\vec{N} = (0, 1, 0)$ 2 Hailb (Clubs 2 (75, 4/5, 20) In , Id , Is ~ II = (1,1,1) (n) On = (0, 4, -3) - (0,000) Kn = (0.1,0.1,0.1) x (0,4,-3) 1 3 1 2 CANDI MIRIEM k2 = (1,1,1) Rs = (1,1,0) (c,0,0)z q un = ((2.4)(01170)) - (3,9,0) s(0, 8, 10) - (3, 14, 10) =(-3/5 34/5 , O) 1. Kn In 8, kd(N·L)], s (1,1,1) [(0,1,0).(3,4,10)](1,1,1) = (0,1,0.1,0,1) = (1,1,1) (4/5) (1,1,1) = (9/5 7 4/6)

= (1.3096 , 1.3096 , 0.9)

$$I = (0.170.170.17 + (4/5, 4/5) + (256/675) 216/675)$$

$$= (\frac{1}{10} + \frac{4}{5} + \frac{256}{625}) 9 (\frac{1}{10} + \frac{4}{5} + \frac{256}{625}) 9 (\frac{1}{10} + \frac{4}{5} + 0)$$