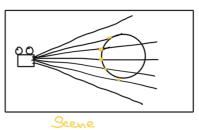


Operate the value of Pixel that hits the cube & give some valve Based on the light. D Normals etc



$$\Rightarrow a_{x}^{2} + (b_{x}t)^{2} + 2a_{x}b_{x}t + a_{y}^{2} + (b_{y}t)^{2} + 2a_{y}b_{y}t - 4 = 0$$

$$(a_{x}^{2} + b_{x} + c = 0)$$

=>
$$(b_{x}^{2} + b_{y}^{2})t^{2} + 2(a_{x}b_{x} + a_{y}b_{y})t + (a_{x}^{2} + a_{y}^{2} - 4) = 0$$

$$0 = (-3, -3)$$

$$b = (1, 1)$$

$$2t^{2} + 2(-3 - 3)t + 14 = 0$$

$$2t^{2} + 2(-3 - 3)t + 14 = 0$$

$$t = 12 \pm \sqrt{144 - 4x^{2}}$$