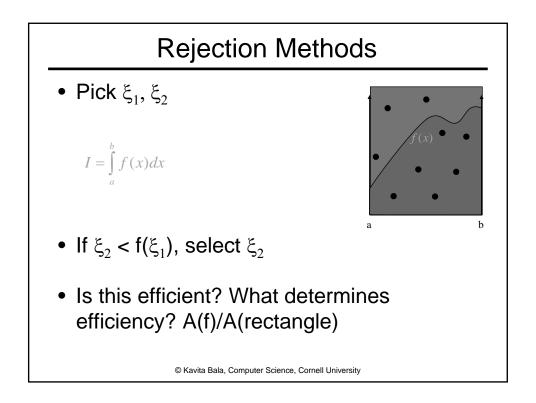
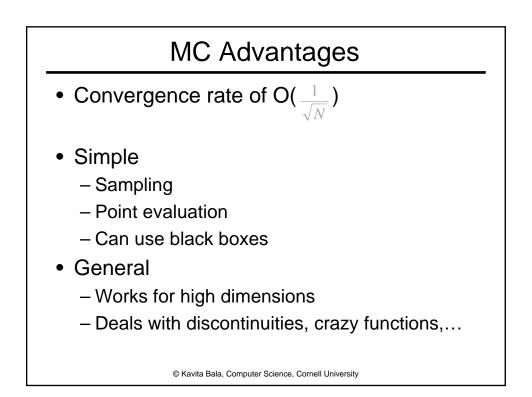
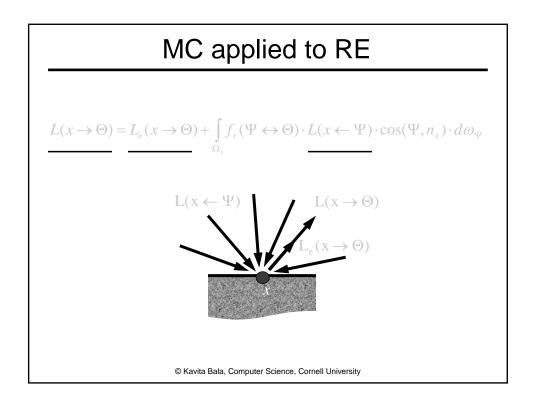
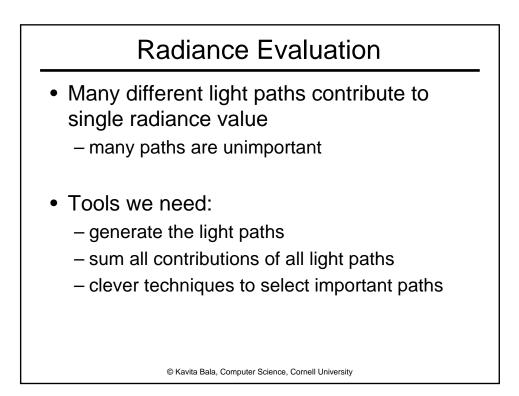


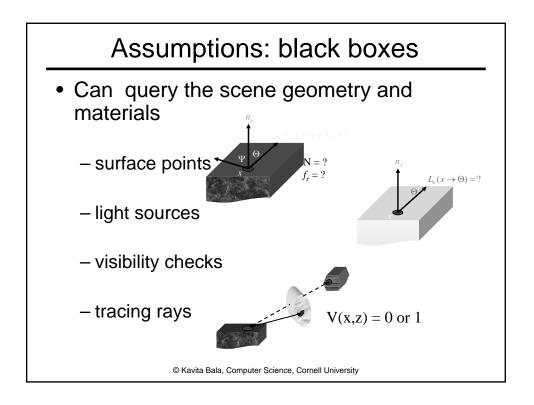
$$\begin{aligned} f &= \frac{1}{\pi} \int_{0}^{2\pi 1} \cos \theta \sin \theta d\theta d\phi \\ p(\theta, \phi) &= \frac{\cos \theta \sin \theta}{\pi} \\ CDF(\theta, \phi) &= \frac{\int_{0}^{\theta} \int_{0}^{\phi} \frac{\cos \theta \sin \theta}{\pi} dr d\theta = (1 - \cos^2 \theta) \frac{\phi}{2\pi} \\ F(\theta) &= 1 - \cos^2 \theta \\ F(\phi) &= \frac{\phi}{2\pi} \\ \phi_i &= 2\pi u_1 \qquad \theta_i = \cos^{-1} \sqrt{u_2} \\ \text{(Exvita Bala, Computer Science, Cornell University} \end{aligned}$$

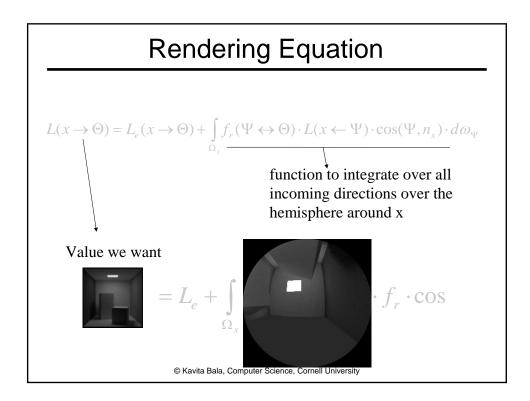


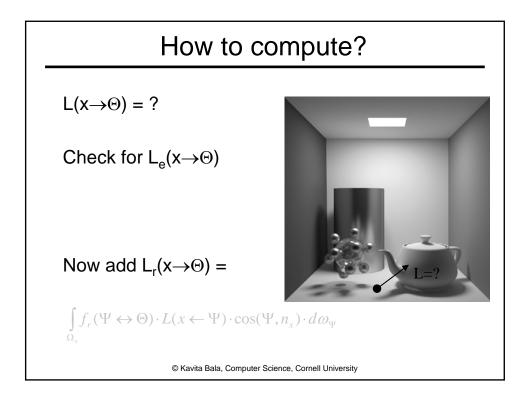


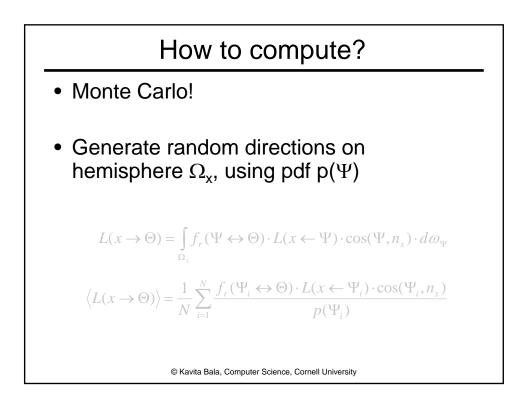


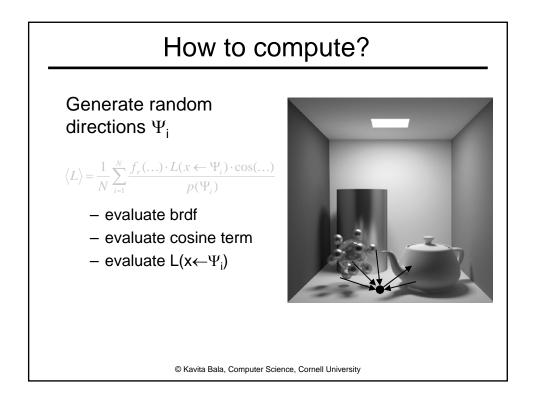


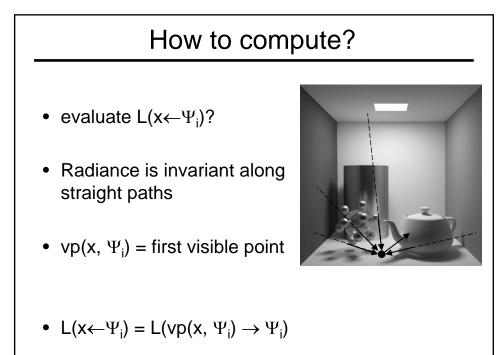












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