

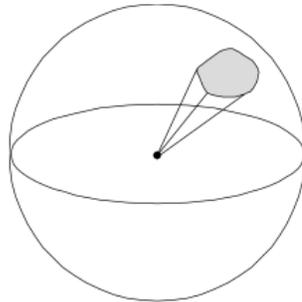
Angles and Solid Angles

■ Angle $\theta = \frac{l}{r}$

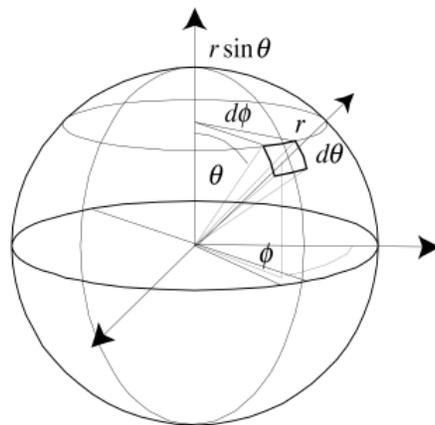
⇒ circle has 2π radians

■ Solid angle $\Omega = \frac{A}{R^2}$

⇒ sphere has 4π steradians



Differential Solid Angles



$$dA = (r d\theta)(r \sin \theta d\phi)$$
$$= r^2 \sin \theta d\theta d\phi$$
