$$|\vec{v}'| = R$$

$$\int_{S(R)} \frac{\cos \theta}{|\vec{r} - \vec{r}'|} d\Omega = \int_{0}^{2\pi} \int_{0}^{\pi} \frac{\cos \theta}{|\vec{r} - \vec{r}'|} \int_{0}^{\pi} d\theta d\theta d\phi = \int_{0}^{\pi} \int_{0}^{\pi} \frac{e^{2\theta}}{|\vec{r} - \vec{r}'|} \int_{0}^{\pi} d\theta d\theta d\phi = \int_{0}^{\pi} \int_{0}^{\pi} \frac{e^{2\theta}}{|\vec{r} - \vec{r}'|} \int_{0}^{\pi} d\theta d\theta d\phi = \int_{0}^{\pi} \int_{0}^{\pi} \frac{e^{2\theta}}{|\vec{r} - \vec{r}'|} \int_{0}^{\pi} \frac{e^{2\theta}}{$$