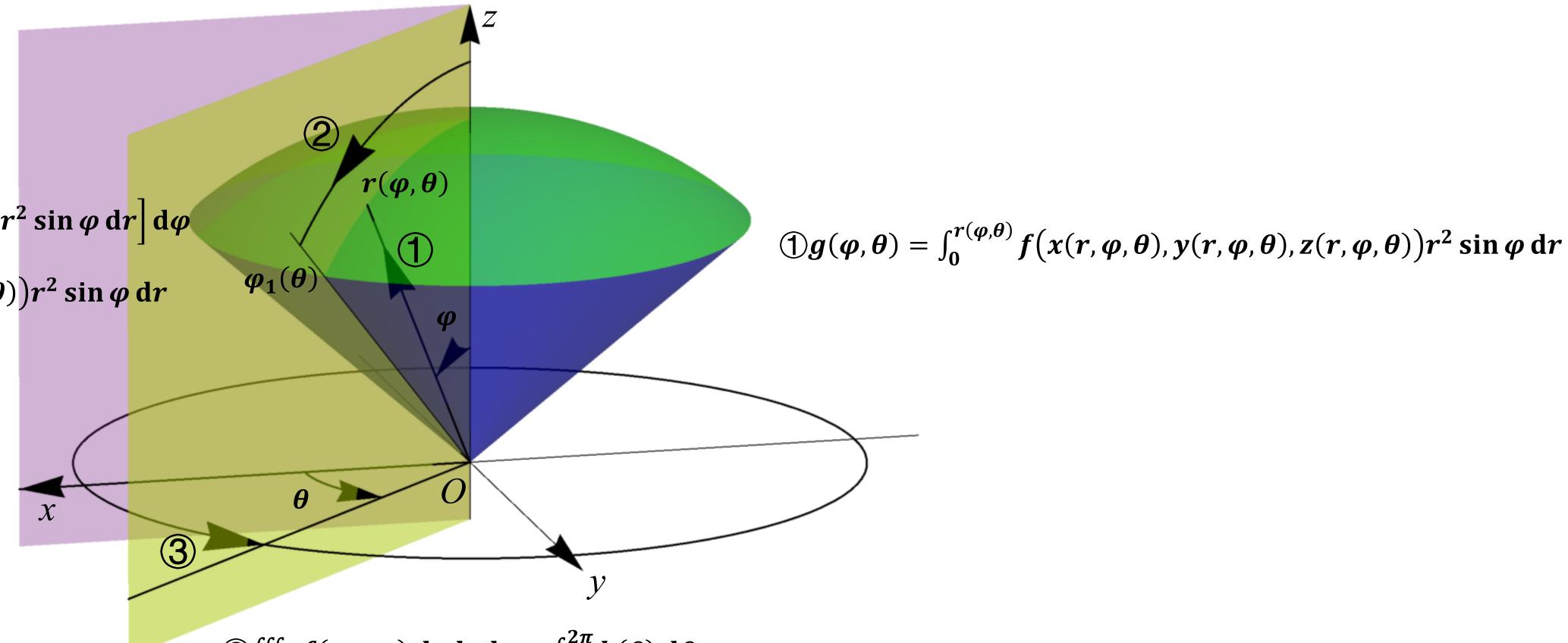
$2h(\theta) = \int_0^{\varphi_1(\theta)} g(\varphi, \theta) \, \mathrm{d}\varphi$ $= \int_0^{\varphi_1(\theta)} \left[\int_0^{r(\varphi,\theta)} f(x(r,\varphi,\theta), y(r,\varphi,\theta), z(r,\varphi,\theta)) r^2 \sin \varphi \, dr \right] d\varphi$ $= \int_0^{\varphi_1(\theta)} d\varphi \int_0^{r(\varphi,\theta)} f(x(r,\varphi,\theta),y(r,\varphi,\theta),z(r,\varphi,\theta)) r^2 \sin\varphi dr$



$$\Im \iiint_{\Omega} f(x, y, z) \, dx dy dz = \int_{0}^{2\pi} h(\theta) \, d\theta$$

$$= \int_{0}^{2\pi} \left[\int_{0}^{\varphi(\theta)} d\varphi \int_{0}^{r(\varphi, \theta)} f(x(r, \varphi, \theta), y(r, \varphi, \theta), z(r, \varphi, \theta)) r^{2} \sin \varphi \, dr \right] d\theta$$

$$= \int_{0}^{2\pi} d\theta \int_{0}^{\varphi(\theta)} d\varphi \int_{0}^{r(\varphi, \theta)} f(x(r, \varphi, \theta), y(r, \varphi, \theta), z(r, \varphi, \theta)) r^{2} \sin \varphi \, dr$$