

$$E_\alpha = E_n \cdot \cos \alpha$$

Lambert.

symmetrie & Spieldurchg!

$$d^2 Q = E_n \cdot \cos \alpha_1 \cdot dS \cdot d\Omega$$

linearität vñ in Winkel
a plöse, jom-li mall'

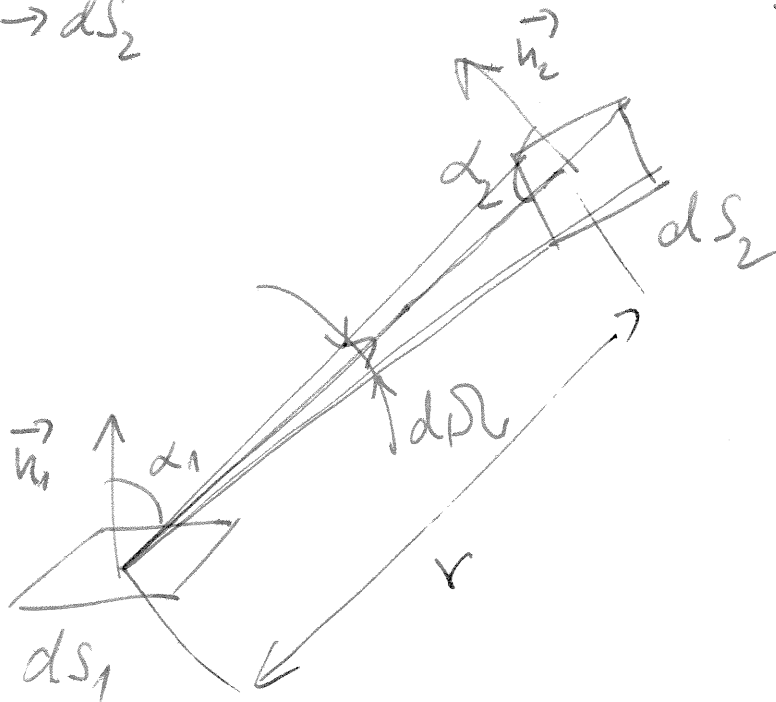
also:

$$d^2 Q = \int_{\Omega} d^2 Q = dS \cdot E_n \cdot \int_{\varphi=0}^{2\pi} \int_{\alpha=0}^{\frac{\pi}{2}} \cos \alpha_1 \cdot \sin \alpha_1 d\alpha_1 d\varphi$$

$$= E_n \cdot dS \cdot 2\pi \cdot \frac{1}{2} \Rightarrow$$

$$\left(E_n = \frac{dQ}{dS} \cdot \frac{1}{\pi} \right)$$

$$dQ_{ds_1 \rightarrow ds_2} = E_n \cdot \cos \alpha_1 \cdot ds_1 \cdot \underbrace{\frac{\cos \alpha_2 ds_2}{r^2}}_{\substack{ds_2 \text{ pod minimu} \\ \text{vzdálené } ds_2 \text{ z} \\ ds_1}}$$



$$= 2r \cdot \frac{1}{\pi} \cdot \frac{\cos \alpha_1 \cos \alpha_2}{r^2} ds_1 ds_2 = dQ_{ds_1 \rightarrow ds_2}$$

$$\frac{\frac{W}{m^2}}{1} \cdot \frac{1}{m^{-2}} = W \quad m^2 m^2 = W \quad \checkmark$$

$$\text{Konfigurační faktor} \quad \Psi_{ds_1 \rightarrow ds_2} = \frac{dQ_{ds_1 \rightarrow ds_2}}{dQ_{ds_1 \rightarrow \text{ve}}}} = \frac{2r \frac{1}{\pi} \frac{\cos \alpha_1 \cos \alpha_2}{r^2} ds_1 ds_2}{2r \cdot ds_1}$$

$$= \frac{1}{\pi} \cdot \frac{\cos \alpha_1 \cos \alpha_2}{r^2} ds_2$$

$$\varphi_{S_1 \rightarrow S_2} = \frac{\cancel{Q}_{S_1 \rightarrow S_2}}{\cancel{Q}_{S_1 \rightarrow \infty}} =$$

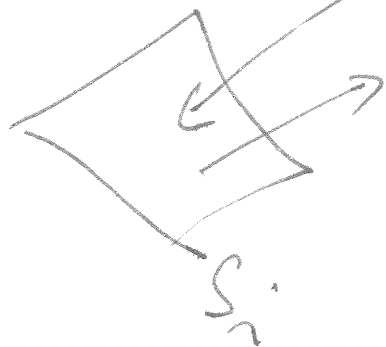
$$= \frac{1}{S_1 \cdot g_r} \int \left(\int \varphi_{ds_1 \rightarrow ds_2} \cdot g_r \cdot \right) dS_1 =$$

$y_1 \quad y_2$

$$\varphi_{S_1 \rightarrow S_2} = \frac{1}{S_1 \pi} \int \int \frac{\cos \alpha_1 \cos \alpha_2}{r_{12}} dS_1 dS_2$$

$$S_1 \varphi_{S_1 \rightarrow S_2} = S_2 \varphi_{S_2 \rightarrow S_1} \quad ||$$

Řešení: obecněto⁴ ⁴ustateno to sdělu⁴
lepta⁴



$$Q_{ruai} =$$

$$\sum_j Q_{rzj} \cdot \varphi_{ji}$$

$$Q_{ruai} = \varepsilon_i \cdot S_i \cdot \frac{1}{r_i} \cdot \varphi$$

$$Q_{rzplod\ i} = Q_{rvlastn\ i} + (1 - \varepsilon_i) \cdot$$

$$Q_{rhaplodu\ i}$$