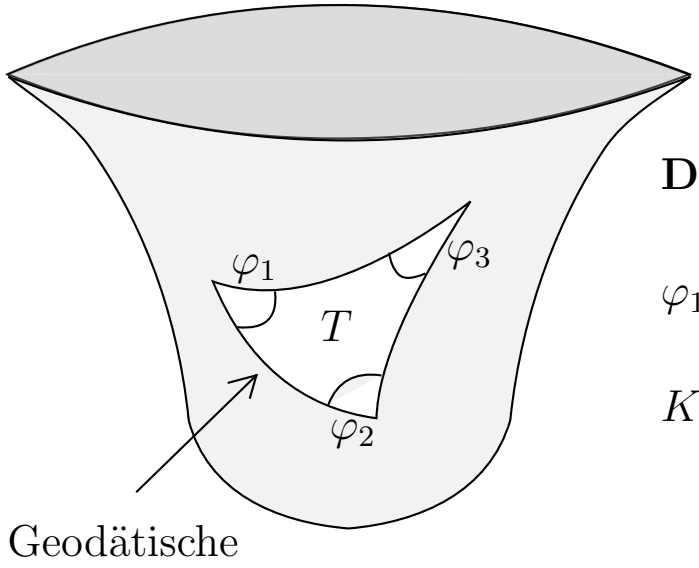
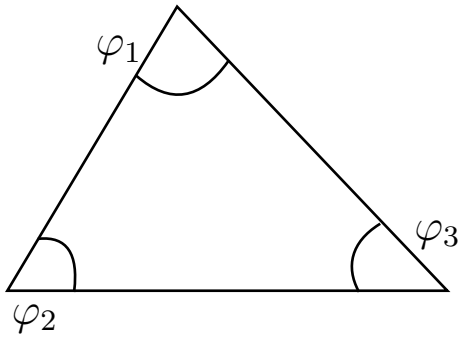


Der Satz von Gauss-Bonnet

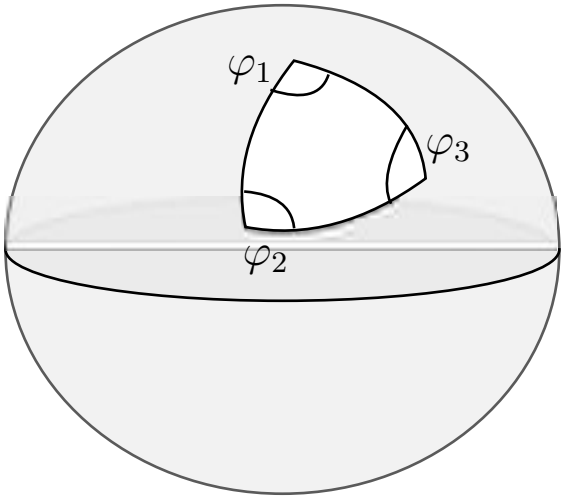
$$\varphi_1 + \varphi_2 + \varphi_3 = \pi + \iint\limits_T K \, d\sigma$$

K - Krümmung



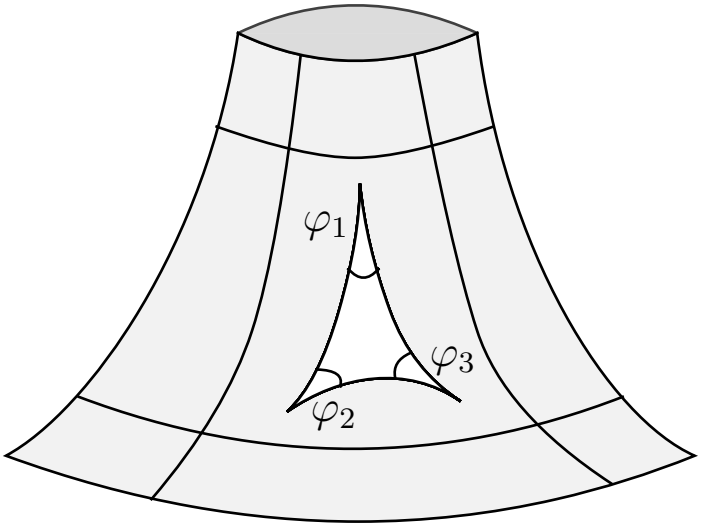
$\mathbf{K = 0}$

$$\varphi_1 + \varphi_2 + \varphi_3 = \pi$$



$\mathbf{K > 0}$

$\varphi_1 + \varphi_2 + \varphi_3 > \pi$



$\mathbf{K < 0}$

$\varphi_1 + \varphi_2 + \varphi_3 < \pi$