

$$F(B(x,y)) = F(x, y, 1 - x^2 - y^2)$$

$$\leq F(B(x,y)), (ax,ay, 1) > = 4xy + 1 - x^2 - y^2$$

$$\int F \cdot ds = \int_{-1}^{1} \int_{-1}^{1-x^2} (4xy + 1 - x^2 - y^2) dy dx$$