

**OBS**

$$\int_a^b \int_c^d g(x)h(y) \, dy \, dx = \int_a^b g(x) \, dx \cdot \int_c^d h(y) \, dy$$

Samma sak gäller med trippelintegraler:

$$\int_a^b \int_c^d \int_e^f \alpha(x)\beta(y)\gamma(z) \, dz \, dy \, dx = \int_a^b \alpha(x) \, dx \cdot \int_c^d \beta(y) \, dy \cdot \int_e^f \gamma(z) \, dz$$