

CDI-II

Integrais duplas

Exercícios

1. Calcule:

$$(a) \int_1^2 \int_x^{1-x^2} 4y \, dy dx$$

$$(b) \int_0^4 \int_2^{y^2} x^2 + y^2 \, dx dy$$

$$(c) \int_0^2 \int_x^{2x} x + xy^2 \, dy dx$$

$$(d) \int_0^2 \int_y^{2y} x + xy^2 \, dx dy$$

$$(e) \int_0^1 \int_y^{y^2} \frac{x}{x^2+y} \, dx dy$$