

Double Integrals Tutorial Exercise 2

Calculate the double integral of Exercise 1 by changing the integration order.

Exercise 1: Calculate the double integral of the function $f(x, y) = x \cdot y$ in the area surrounded by the curves:

$$y_1(x) = 0, \quad y_2(x) = \sqrt{x}, \quad x_1 = 0, \quad x_2 = 2.$$