

Math 1190 Quiz #4

Problem 1: Evaluate

$$\int_0^a \int_0^b e^{\max\{b^2x^2, a^2y^2\}} dydx,$$

where a and b are positive.

Problem 2: Evaluate $\int_0^{2\pi} \frac{dx}{1 + e^{\sin(x)}}$.

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