

TEST 9-3

Nech $I_i = \int_{C_i} (xy^2 + 1)dx + (yx^2 - 1)dy$, nech C_i je oblúk AB , $A = (0, 0)$, $B = (1, 1)$, kde $C_1 : y = x^2$; $C_2 : y = x$; $C_3 : y = 0$ pre $x \in \langle 0, 1 \rangle$, $x = 1$ pre $y \in \langle 0, 1 \rangle$. Potom

1. $I_1 = \frac{1}{2}$,
2. $I_1 = -I_2$,
3. $I_1 = 2I_3$,
4. $I_1 = I_2 = I_3$.