Doniel Constitute Villa de Salis - 123.145

$$\int_{C} x^{2} y^{2} dx + xy dy = \int_{C_{1}} x^{2} y^{2} dx + xy dy + \int_{C_{2}} x^{2} y^{2} dx + xy dy + \int_{C_{3}} x^{2} y^{2} dx + xy dy + \int_{C_{3}} x^{2} y^{2} dx + xy dy = \int_{C_{1}} x^{2} y^{2} dx + xy dy = \int_{C_{1}} (x^{6} + 2x^{6}) dx$$

$$\int_{C_{1}} x^{2} y^{2} dx + xy dy = \int_{C_{1}} (x^{6} + 2x^{6}) dx$$

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$$\int_{C_{1}} x^{2} y^{2} dx + xy dy = \int_{C_{1}} (x^{6} + 2x^{6}) dx$$

$$\int_{1}^{2} x^{2} y^{2} dx + xy dy = \int_{1}^{2} (x^{6} + 2x^{4}) dx$$

$$\int_{1}^{2} x^{2} y^{2} dx + xy dy = \left[\frac{x^{7}}{7} + \frac{2x^{5}}{5}\right]^{2}$$

$$\int_{1}^{2} x^{2} y^{2} dx + xy dy = \int_{1}^{2} + \frac{2}{5} = \frac{19}{35}$$

$$\int_{C_{2}} x^{2} y^{2} dx + x y dy = \int_{C_{2}} x^{2} \cdot L dx + x \cdot L \cdot O$$

$$\int_{C_{2}} x^{2} y^{2} dx + x y dy = \int_{1}^{a} x^{2} dx$$

$$\int_{1} x^{2} y^{2} dx + x y dy = \left[\frac{x^{2}}{3}\right]^{a}$$

Aula 22 - 16.4/4

$$\int_{C_{2}} x^{2} y^{2} dx + x y dy = -\frac{1}{3}$$

$$\int_{C_{2}} x^{2} y^{2} dx + x y dy = \int_{C_{2}} 0 \cdot y^{2} \cdot 0 + 0 \cdot y dy = 0$$

$$\int_{C_2} x^2 y^2 dx + x \cdot y \, dy = -\frac{3}{2}$$

$$\int_{C_2} x^2 y^2 dx + x y dy = \left[\frac{x^3}{3}\right]_{L}^2$$

 $\int_{C} x^{3} y^{3} dx + xy dy = \frac{19}{35} \cdot \frac{1}{3} = \frac{98}{105}$

$$\int_{c_{2}}^{a} x^{2} dx$$