$$\begin{array}{lll}
& \int_{C} \chi^{2} + \sin x \, dy & \chi = \chi^{2} & dy = 2x \, dx & (0,0) & (\pi/\pi^{2}) \\
& - \int_{C} \chi^{2} + \sin x \, dy & \chi = \int_{C} 2x^{2} + 2x \sin x \, dx \\
& = \int_{C} \chi^{2} + 2x \sin x \, dx = \int_{C} 2x^{2} + 2x \sin x \, dx \\
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& = \frac{2}{6} (\pi)^{6} + \int_{C} \chi^{2} + 2x$$