$$\frac{\int x^{2}}{x^{2}+2x+1} dx$$

$$= \int \frac{x^{2}}{(x^{2}+1)^{2}} dx = \int \frac{x^{2}+1-1}{(x^{2}+1)^{2}} dx$$

$$= \int \frac{x}{(x^{2}+1)^{2}} dx = \int \frac{x^{2}+1-1}{(x^{2}+1)^{2}} dx$$

$$= \int \frac{x^{2}}{(x^{2}+1)^{2}} dx - \int \frac{dx}{(x^{2}+1)^{2}} dx$$

$$= \int \frac{x^{2}}{(x^{2}+1)^{2}} dx$$

$$= \int \frac{x^{2}}{(x^{2}+1)$$

$$\int U dV = U U - \int U dU$$

$$\int [\chi^{2} + 5 \times + 6] (\omega | 2 \times) dX$$

$$= \int x^{2} (\omega | 2 \times) dx + \int 5 \times (\omega | 2 \times) dx + \int 6 (\omega | 2 \times) dx$$

$$= \int x^{2} (\omega | 2 \times) dx + \int 5 \times (\omega | 2 \times) dx + \int 6 (\omega | 2 \times) dx$$

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$$\begin{cases} x e^{\frac{2\pi \cos \omega}{1-x^2}} dx & x = \sin \theta \\ dx = (\cos \theta d\theta) & (1 + \cos 2\theta) \\ \hline \sqrt{1-x^2} & dx = (\cos \theta d\theta) \\ \hline \sqrt{1-x^2} & d\theta \\ \hline$$

