$$\int \underbrace{x}_{u}\,\underbrace{\operatorname{arcsen}(x^2)}_{v'}\,dx = \frac{x^2}{2}\cdot\operatorname{arcsen}(x^2) - \int \frac{x^2}{2}\cdot\frac{2x}{\sqrt{1-x^4}}\,dx$$

$$P[x] = \frac{x^2}{2}$$

$$v' = \frac{2x}{\sqrt{1-(x^2)^2}}$$

$$= \frac{x^2}{2}\operatorname{arcsen}(x^2) - \frac{1}{4}\int 4x^3\cdot(1-x^4)^{-1/2}\,dx =$$

$$= \frac{x^2}{2}\operatorname{arcsen}(x^2) - \frac{1}{4}\,\frac{(1-x^4)^{-\frac{1}{2}+1}}{-\frac{1}{2}+1} + C$$

$$= \frac{x^2}{2}\operatorname{arcsen}(x^2) - \frac{1}{4}\,\frac{(1-x^4)^{1/2}}{\frac{1}{2}} + C$$

$$= \frac{x^2}{2}\operatorname{arcsen}(x^2) - \frac{1}{2}\sqrt{1-x^4} + C,\ C\in\mathbb{R}$$