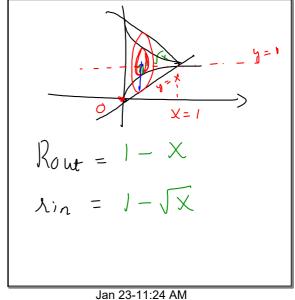


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$$V = \int \left(\sqrt{R_{0}} R_{0} + \sqrt{\Lambda_{0}} \right) dx$$

$$= \sqrt{\left(\left(1 - \chi \right) - \left(1 - \sqrt{\chi} \right) \right)} dx$$

$$= \sqrt{\left(\left(1 - \chi \right) - \left(1 - \sqrt{\chi} \right) \right)} dx$$

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$$V = \pi \int_{0}^{1} \left[x^{2} - 3x + 2 \sqrt{x} \right] dx$$

$$V = \pi \left[\frac{x^{3}}{3} - \frac{3x^{2}}{2} + 2 \cdot \frac{2x}{3} \right]$$

$$V = \pi \left[\frac{1}{3} - \frac{3}{2} + \frac{4}{3} \right] = \pi \left[\frac{\pi}{6} \right]$$

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