

호도법을 사용한 부채꼴의 호의 길이와 넓이
(Fan-shaped arc length and width using radian)

Fan-shaped arc length and width using radian

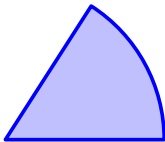
▶ Start

▶ End

Fan-shaped arc length and width using radian

▶ Start

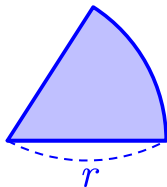
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Fan-shaped arc length and width using radian

▶ Start

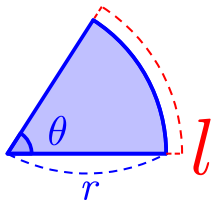
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Fan-shaped arc length and width using radian

▶ Start

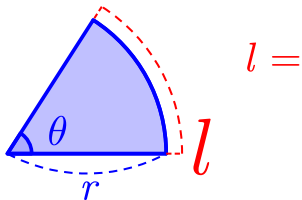
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Fan-shaped arc length and width using radian

▶ Start

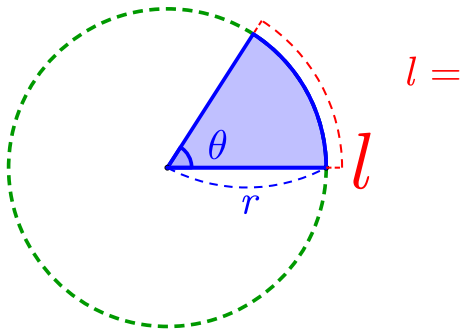
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Fan-shaped arc length and width using radian

▶ Start

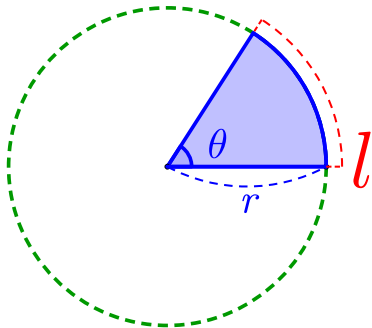
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Fan-shaped arc length and width using radian

▶ Start

▶ End

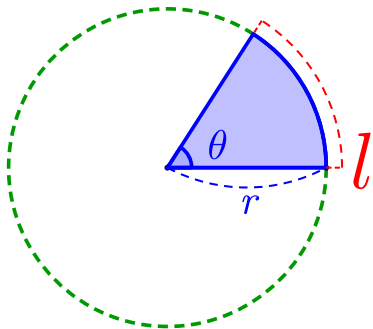


$$l = 2\pi r \times \frac{\theta \text{ rad}}{2\pi \text{ rad}}$$

Fan-shaped arc length and width using radian

▶ Start

▶ End

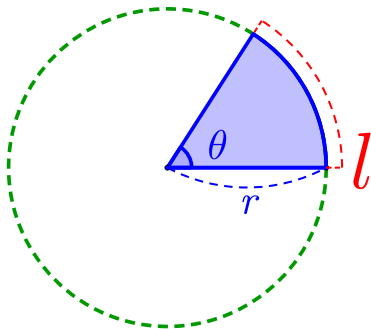


$$l = 2\pi r \times \frac{\theta}{2\pi}$$

Fan-shaped arc length and width using radian

▶ Start

▶ End

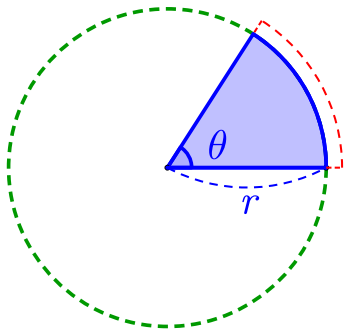


$$l = 2\pi r \times \frac{\theta}{2\pi} = r\theta$$

Fan-shaped arc length and width using radian

▶ Start

▶ End



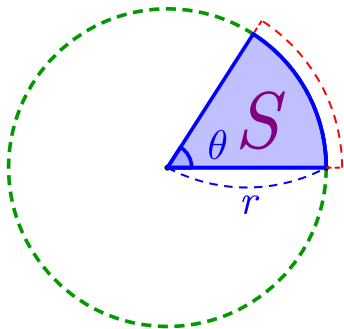
$$l = 2\pi r \times \frac{\theta}{2\pi} = r\theta$$

$$l = r\theta$$

Fan-shaped arc length and width using radian

▶ Start

▶ End



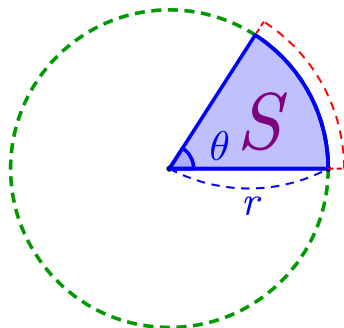
$$l = 2\pi r \times \frac{\theta}{2\pi} = r\theta$$

$$l = r\theta$$

Fan-shaped arc length and width using radian

▶ Start

▶ End



$$l = 2\pi r \times \frac{\theta}{2\pi} = r\theta$$

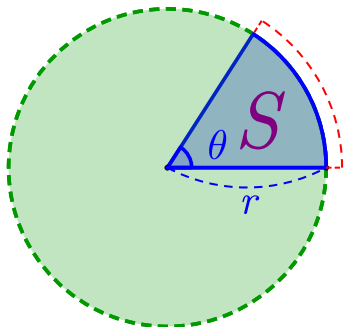
$$l = r\theta$$

$$S =$$

Fan-shaped arc length and width using radian

▶ Start

▶ End



$$l = 2\pi r \times \frac{\theta}{2\pi} = r\theta$$

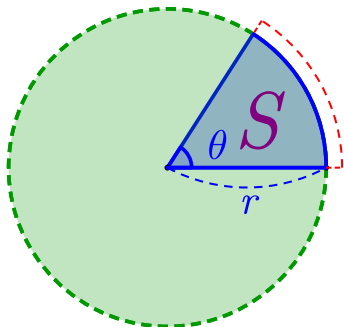
$$l = r\theta$$

$$S =$$

Fan-shaped arc length and width using radian

▶ Start

▶ End



$$l = 2\pi r \times \frac{\theta}{2\pi} = r\theta$$

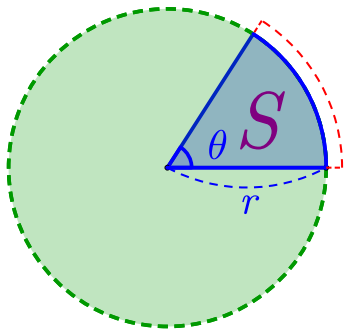
$$l = r\theta$$

$$S = \pi r^2$$

Fan-shaped arc length and width using radian

▶ Start

▶ End



$$l = 2\pi r \times \frac{\theta}{2\pi} = r\theta$$

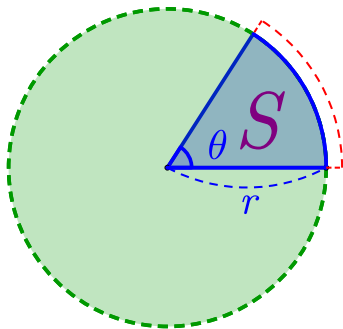
$$l = r\theta$$

$$S = \pi r^2 \times \frac{\theta \text{ rad}}{2\pi \text{ rad}}$$

Fan-shaped arc length and width using radian

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$$l = 2\pi r \times \frac{\theta}{2\pi} = r\theta$$

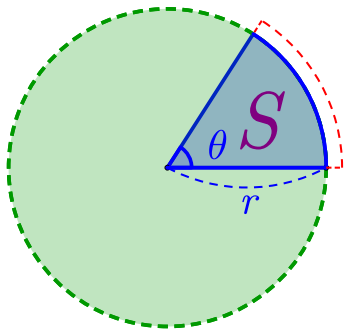
$$l = r\theta$$

$$S = \pi r^2 \times \frac{\theta}{2\pi}$$

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$$l = 2\pi r \times \frac{\theta}{2\pi} = r\theta$$

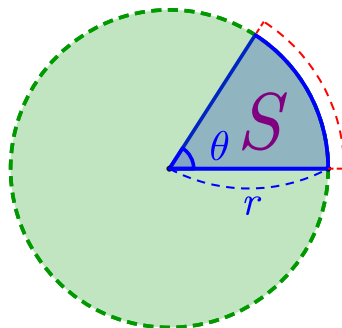
$$l = r\theta$$

$$S = \pi r^2 \times \frac{\theta}{2\pi} = \frac{1}{2} r^2 \theta$$

Fan-shaped arc length and width using radian

▶ Start

▶ End



$$l = 2\pi r \times \frac{\theta}{2\pi} = r\theta$$

$$l = r\theta$$

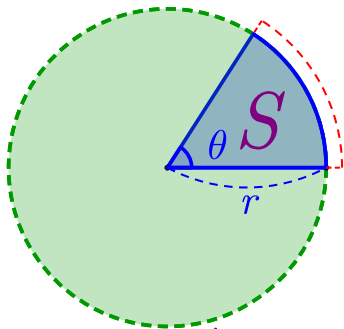
$$S = \pi r^2 \times \frac{\theta}{2\pi} = \frac{1}{2} r^2 \theta$$

$$S = \frac{1}{2} r^2 \theta$$

Fan-shaped arc length and width using radian

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▶ End



$$l = 2\pi r \times \frac{\theta}{2\pi} = r\theta$$

$$l = r\theta$$

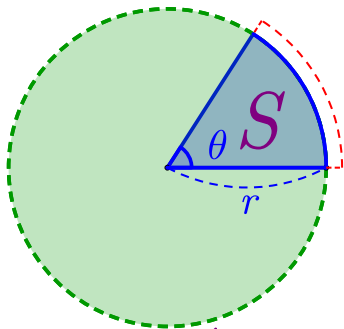
$$S = \pi r^2 \times \frac{\theta}{2\pi} = \frac{1}{2} r^2 \theta$$

$$S = \frac{1}{2} r^2 \theta = \frac{1}{2} r \times r\theta$$

Fan-shaped arc length and width using radian

▶ Start

▶ End



$$l = 2\pi r \times \frac{\theta}{2\pi} = r\theta$$

$$l = r\theta$$

$$S = \pi r^2 \times \frac{\theta}{2\pi} = \frac{1}{2} r^2 \theta$$

$$S = \frac{1}{2} r^2 \theta = \frac{1}{2} r l$$

Github:

<https://min7014.github.io/math20200518001.html>

Click or paste URL into the URL search bar,
and you can see a picture moving.