실수의 제곱근
(The Square Root of Real Numbers)

$$\forall a \geq 0 \quad ,$$

$$\forall a \geq 0 \quad , \quad \sqrt{a}$$

$$\forall a \geq 0 \quad , \quad \sqrt{a} \ :$$

$$\forall a \geq 0 \quad , \quad \sqrt{a} \text{ : The positive square root of } a$$

$\forall a \geq 0 \quad , \quad \sqrt{a}$: The positive square root of a

i.e.

$\forall a \geq 0 \quad , \quad \sqrt{a}$: The positive square root of a

i.e. $\left(\sqrt{a}\right)^2 = a$

$$\forall a \geq 0 \quad , \quad \sqrt{a} \text{ : The positive square root of } a$$
$$\text{i.e. } \left(\sqrt{a}\right)^2 = a \, , \; \sqrt{a} \geq 0$$

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$i \quad :$

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i : The imaginary unit

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$$\forall a \in \mathbb{R} \quad , \quad \sqrt{a} = \begin{cases} \sqrt{a} & , \quad \text{if } a \geq 0 \\ \end{cases}$$

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$$\forall a \in \mathbb{R} \quad , \quad \sqrt{a} = \begin{cases} \sqrt{a} & , \quad \text{if } a \geq 0 \\ \sqrt{-a}i & , \quad \text{if } a < 0 \end{cases}$$

Github:
https://min7014.github.io/math20210123001.html

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and you can see a picture moving.