some values characterising i

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Related topic	GeneralPower
Related topic	ComplexSineAndCosine
Related topic	ComplexLogarithm

- $i^2 \;=\; -1$

- $|i| \;=\; 1$

- $\arg i \;=\; 2n\pi + \dfrac{\pi}{2} \quad (n \in \mathbb{Z})$

- $\bar{i} \;=\; -i$

- $\dfrac{1}{i} \;=\; -i$

- $\sqrt{i} \;=\; \pm\dfrac{1+i}{\sqrt{2}}$

- $(-1)^i \;=\; e^{(2n+1)\pi} \quad (n \in \mathbb{Z})$

- $i^i \;=\; e^{2n\pi - \frac{\pi}{2}} \quad (n \in \mathbb{Z})$

- $\cos i \;=\; \dfrac{1}{2}\left(e + \dfrac{1}{e}\right) \;\approx\; 1.54308$

- $\sin i \;=\; \dfrac{i}{2}\left(e - \dfrac{1}{e}\right) \;\approx\; 1.17520\,i$

- $\cosh i \;=\; \cos 1 \;\approx\; 0.54030$

- $\sinh i \;=\; i\,\sin 1 \;\approx\; 0.84147\,i$

- $e^i \;=\; \cos 1 + i\,\sin 1$

- $\log i = \left(2n\pi + \dfrac{\pi}{2}\right)i \quad (n \in \mathbb{Z})$