

INVERSE TRIGONOMETRIC FUNCTIONS

TRIGON- OMETRIC FUNCTION	DOMAIN	CODOMAIN
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$\text{Sin}^{-1}x$	$[-1,1]$	$[-\pi/2,\pi/2]$
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$\text{Cos}^{-1}x$	$[-1,1]$	$[0,\pi]$
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$\text{Tan}^{-1}x$	\mathbb{R}	$(-\pi/2,\pi/2)$
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$\text{Cosec}^{-1}x$	$\mathbb{R}-(-1,1)$	$[-\pi/2,\pi/2]-\{0\}$
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$\text{Sec}^{-1}x$	$\mathbb{R}-(-1,1)$	$[0,\pi]-\{\pi/2\}$
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$\text{Cot}^{-1}x$	\mathbb{R}	$(0,\pi)$
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