

VB辅导：VB导出的数学 PDF转换可能丢失图片或格式，建议
阅读原文

https://www.100test.com/kao_ti2020/287/2021_2022_VB_E8_BE_85_E5_AF_BC_EF_BC_c97_287864.htm 函数由基本函数导出之

公式
Secant (正割) $\text{Sec}(X) = 1 / \text{Cos}(X)$
Cosecant (余割) $\text{Cosec}(X) = 1 / \text{Sin}(X)$
Cotangent (余切) $\text{Cotan}(X) = 1 / \text{Tan}(X)$
Inverse Sine (反正弦) $\text{Arcsin}(X) = \text{Atn}(X / \text{Sqr}(-X * X - 1))$
Inverse Cosine (反余弦) $\text{Arccos}(X) = \text{Atn}(-X / \text{Sqr}(-X * X - 1))$
Inverse Secant (反正割) $\text{Arcsec}(X) = \text{Atn}(X / \text{Sqr}(X * X - 1))$
Inverse Cosecant (反余割) $\text{Arccosec}(X) = \text{Atn}(X / \text{Sqr}(X * X - 1))$
Inverse Cotangent (反余切) $\text{Arccotan}(X) = \text{Atn}(X / \text{Sqr}(X * X - 1))$
Hyperbolic Sine (双曲正弦) $\text{HSin}(X) = (\text{Exp}(X) - \text{Exp}(-X)) / 2$
Hyperbolic Cosine (双曲余弦) $\text{HCos}(X) = (\text{Exp}(X) + \text{Exp}(-X)) / 2$
Hyperbolic Tangent (双曲正切) $\text{HTan}(X) = (\text{Exp}(X) - \text{Exp}(-X)) / (\text{Exp}(X) + \text{Exp}(-X))$
Hyperbolic Secant (双曲正割) $\text{HSec}(X) = 2 / (\text{Exp}(X) + \text{Exp}(-X))$
Hyperbolic Cosecant (双曲余割) $\text{HCosec}(X) = 2 / (\text{Exp}(X) - \text{Exp}(-X))$
Hyperbolic Cotangent (双曲余切) $\text{HCotan}(X) = (\text{Exp}(X) + \text{Exp}(-X)) / (\text{Exp}(X) - \text{Exp}(-X))$
Inverse Hyperbolic Sine (反双曲正弦) $\text{HArcsin}(X) = \text{Log}(X / \text{Sqr}(X * X - 1))$
Inverse Hyperbolic Cosine (反双曲余弦) $\text{HArccos}(X) = \text{Log}(X / \text{Sqr}(X * X - 1))$
Inverse Hyperbolic Tangent (反双曲正切) $\text{HArctan}(X) = \text{Log}((1 + X) / (1 - X)) / 2$
Inverse Hyperbolic Secant (反双曲正割) $\text{HArcsec}(X) = \text{Log}((\text{Sqr}(-X * X - 1) + 1) / X)$
Inverse Hyperbolic Cosecant (反双曲余割) $\text{HArccosec}(X) = \text{Log}((\text{Sgn}(X) * \text{Sqr}(X * X - 1) + 1) / X)$
Inverse

Hyperbolic Cotangent (反双曲余切) $\text{HArccotan}(X) = \text{Log}\left(\frac{X+1}{X-1}\right) / 2$
以 N 为底的对数 $\text{Log}_N(X) = \text{Log}(X) / \text{Log}(N)$
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