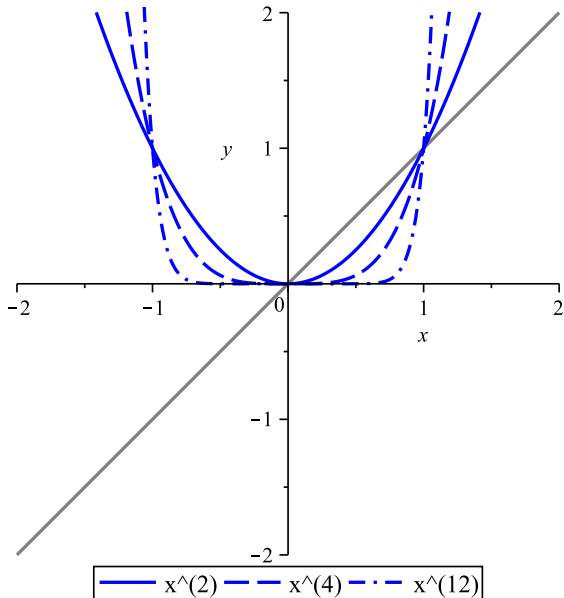


Grafy některých elementárních funkcí

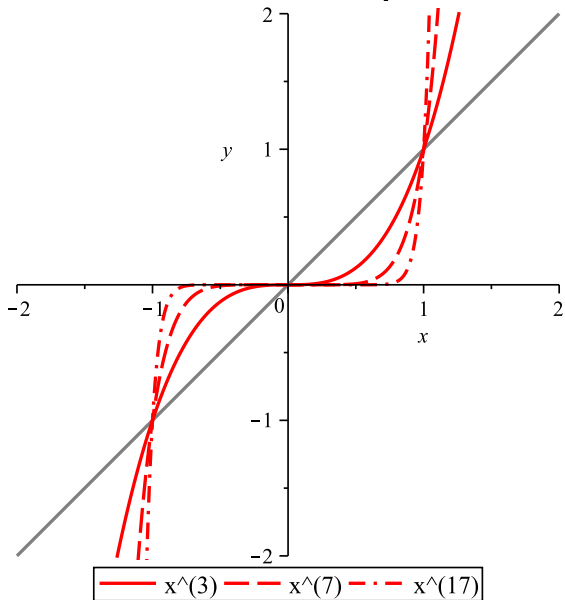
M.Rokyta, KMA MFF UK

Obrázky byly vytvořeny programem Maple 13, prezentace pomocí LaTeX2eps, beamer.sty

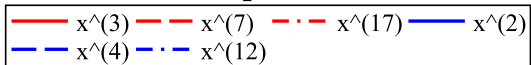
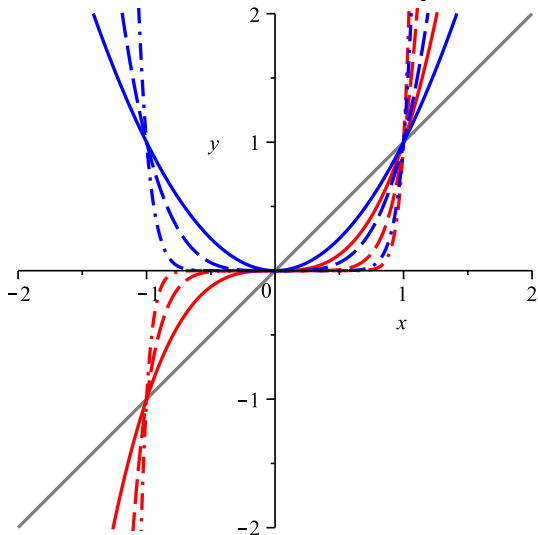
Sudé mocniny



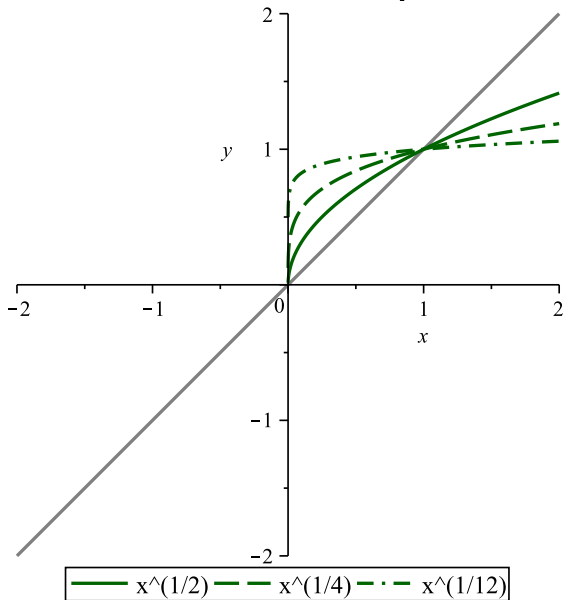
Liché mocniny



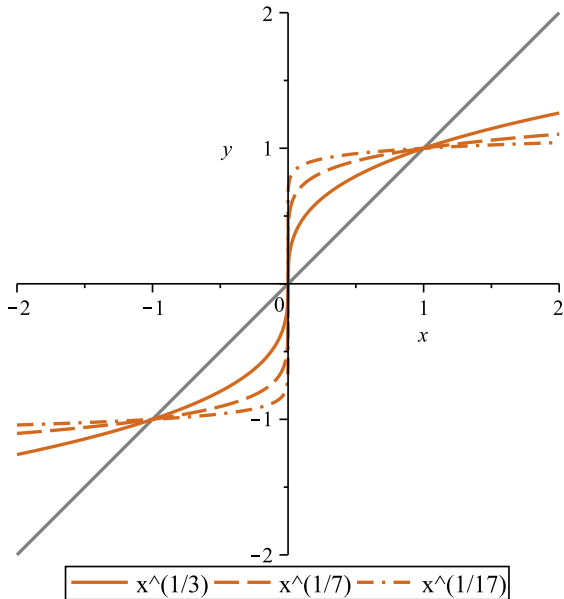
Sudé a liché mocniny



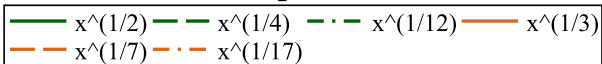
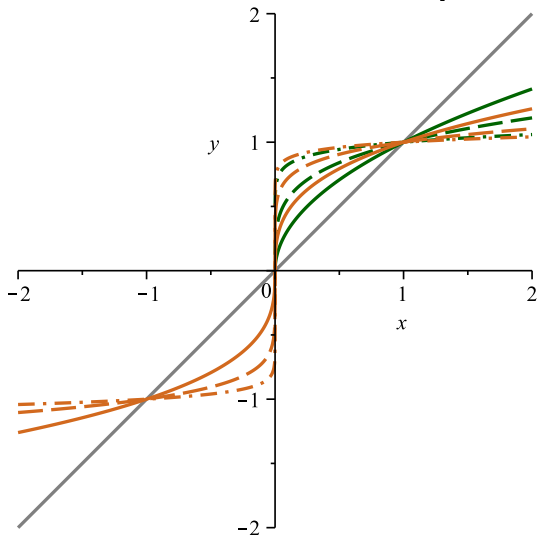
Sudé odmocniny



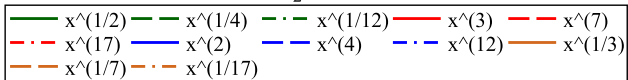
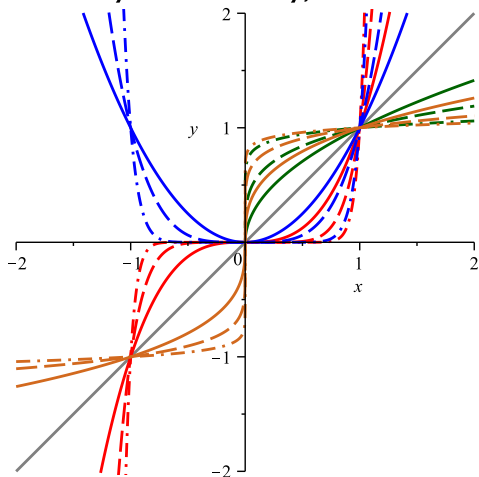
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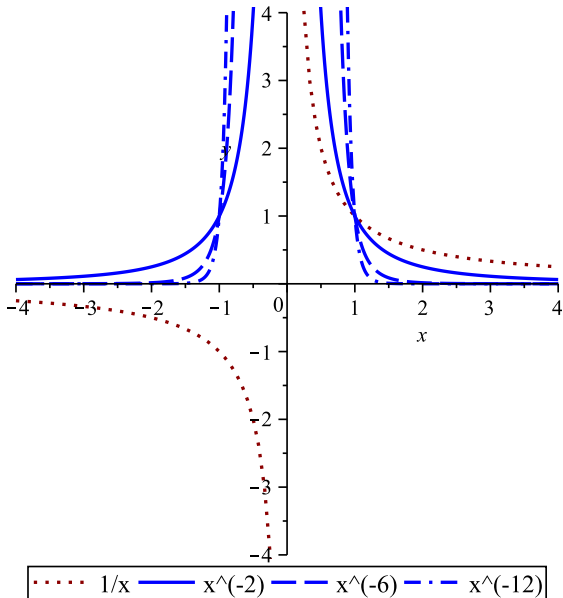
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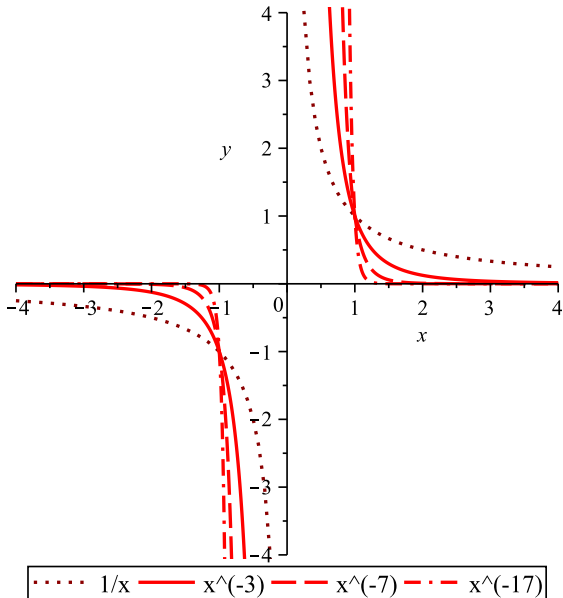
Mocniny a odmocniny, sudé i liché



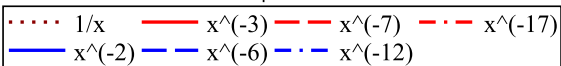
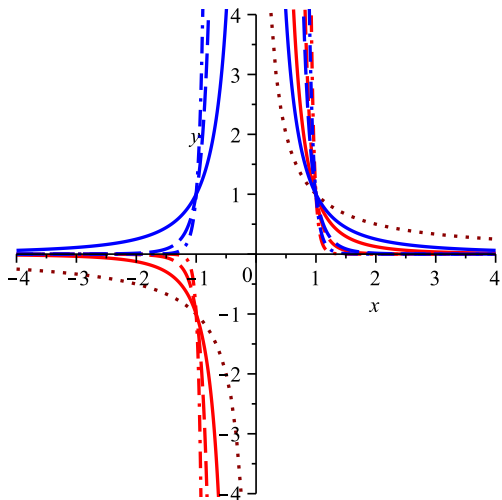
Převrácené hodnoty sudých mocnin



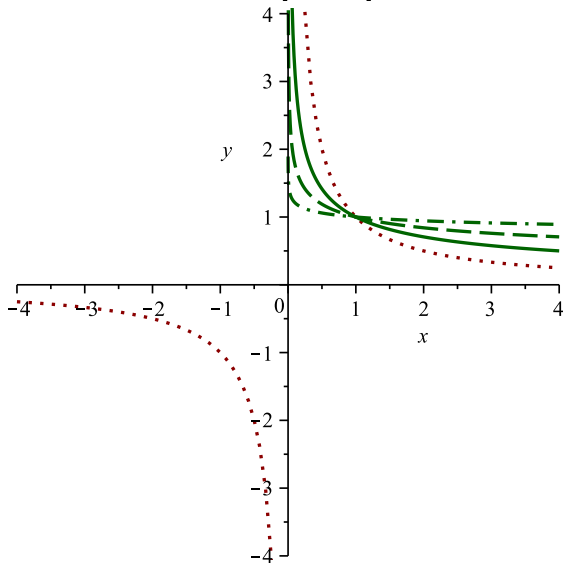
Převrácené hodnoty lichých mocnin



Převrácené hodnoty sudých i lichých mocnin

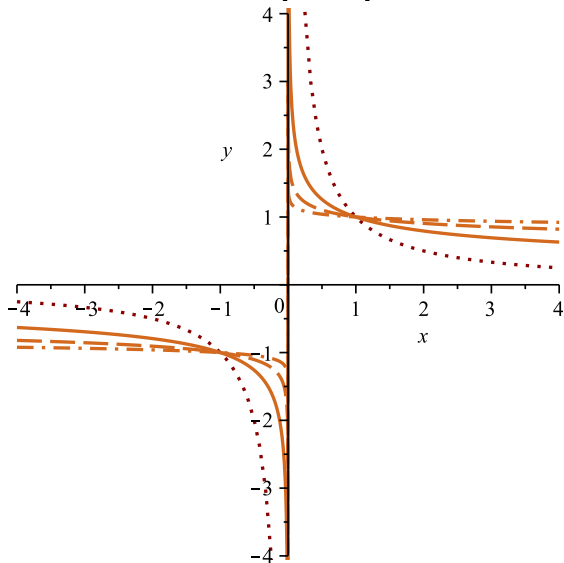


Převrácené hodnoty sudých odmocnin



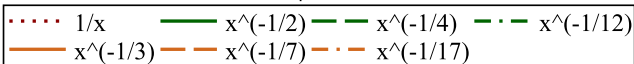
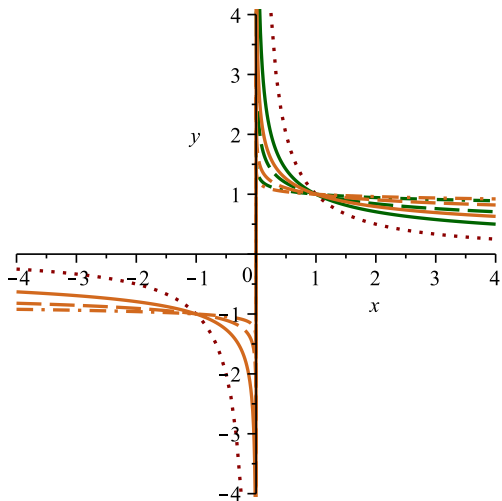
..... $1/x$ — $x^{-1/2}$ - - $x^{-1/4}$ - · - $x^{-1/12}$

Převrácené hodnoty lichých odmocnin

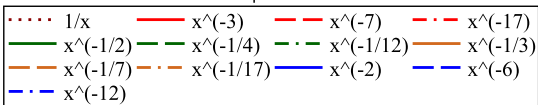
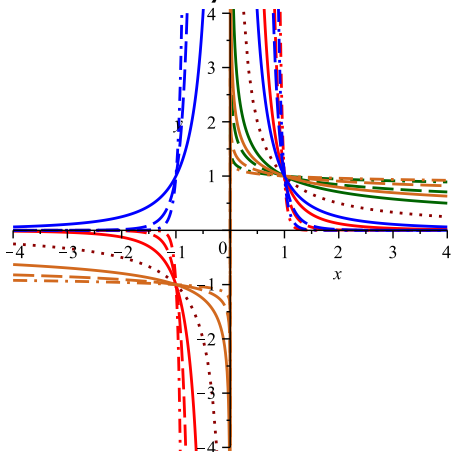


..... $1/x$ — $x^{-1/3}$ - - $x^{-1/7}$ - · - $x^{-1/17}$

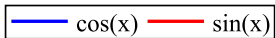
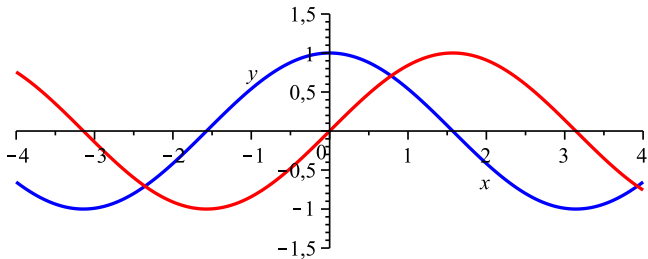
Převrácené hodnoty sudých i lichých odmocnin



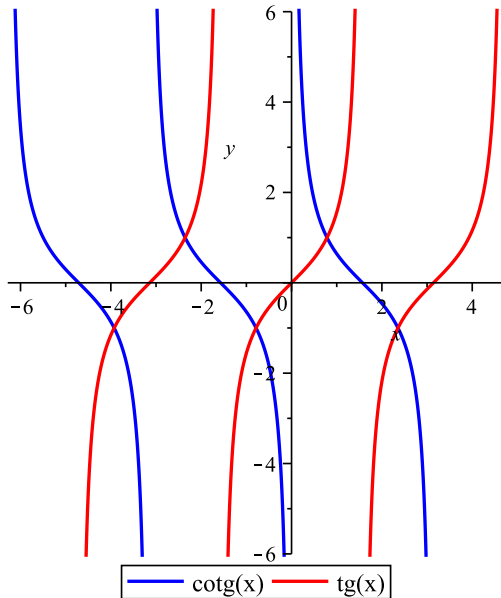
Převrácené hodnoty mocnin a odmocnin



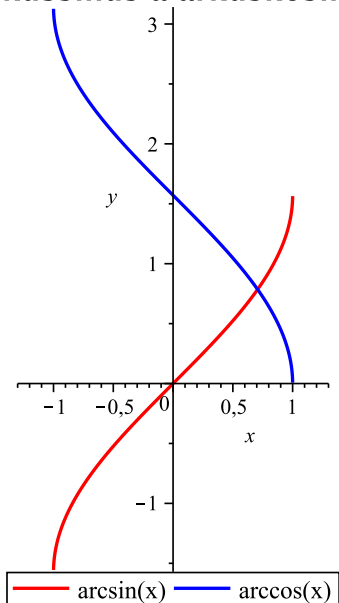
Sinus a kosinus



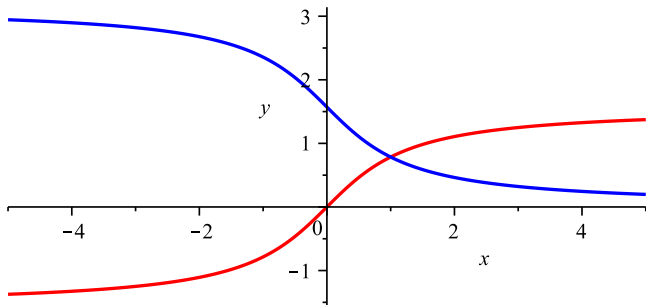
Tangens a kotangens



Arkussinus a arkuskosinus

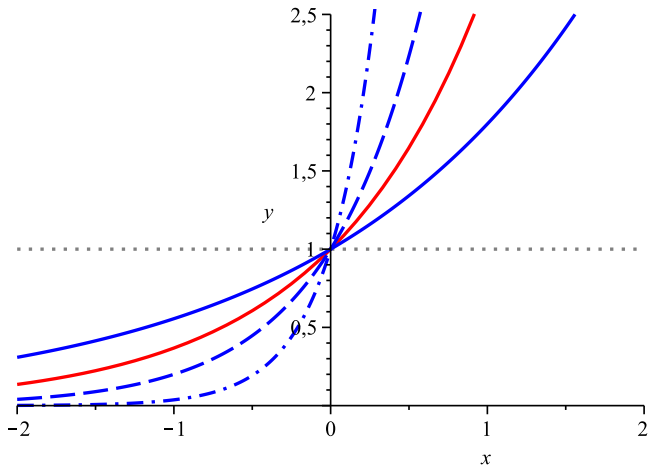


Arkustangens a arkuskotangens



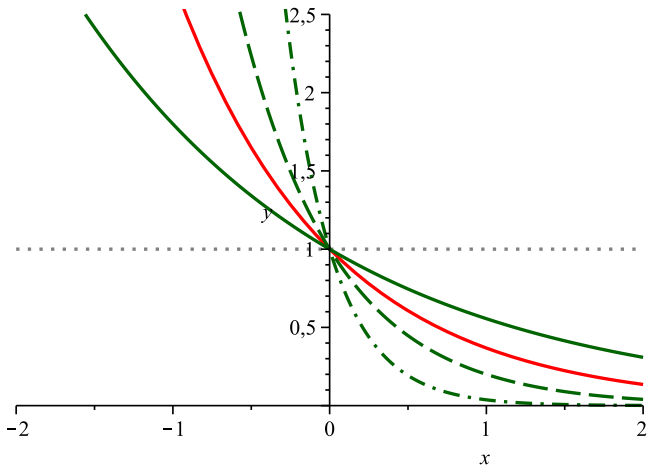
— $\arctg(x)$ — $\arccotg(x)$

Exponenciály s kladnou mocninou



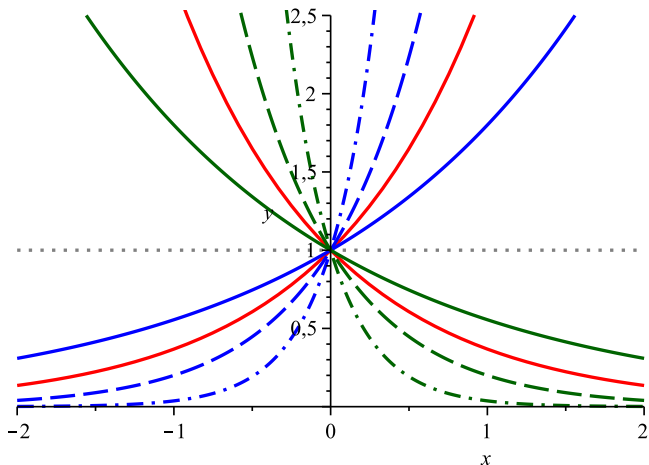
— e^x — 1.8^x - - 5^x - · - 27^x









Exponenciály se zápornou mocninou



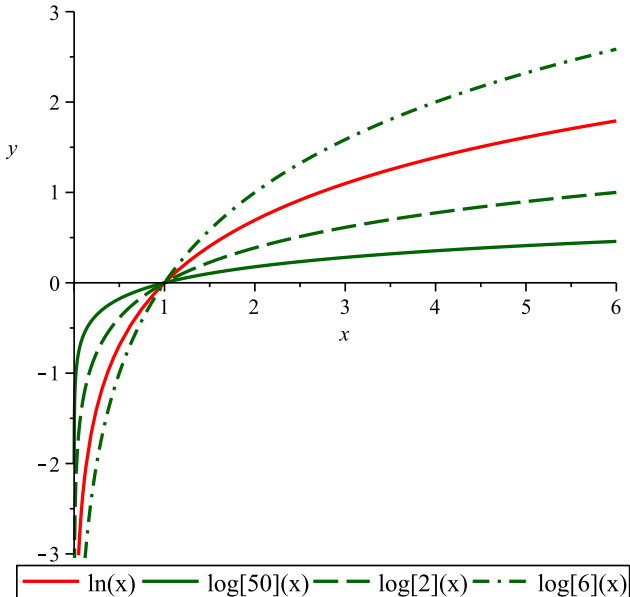
— e^{-x} — 1.8^{-x} - - 5^{-x} - · - 27^{-x}

Exponenciály s kladnou i zápornou mocninou

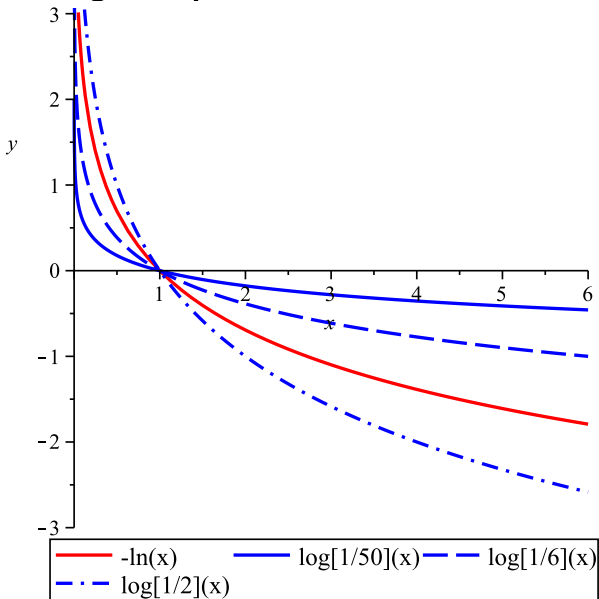


	e^x		e^{-x}		1.8^x		5^x
	27^x		1.8^{-x}		5^{-x}		27^{-x}

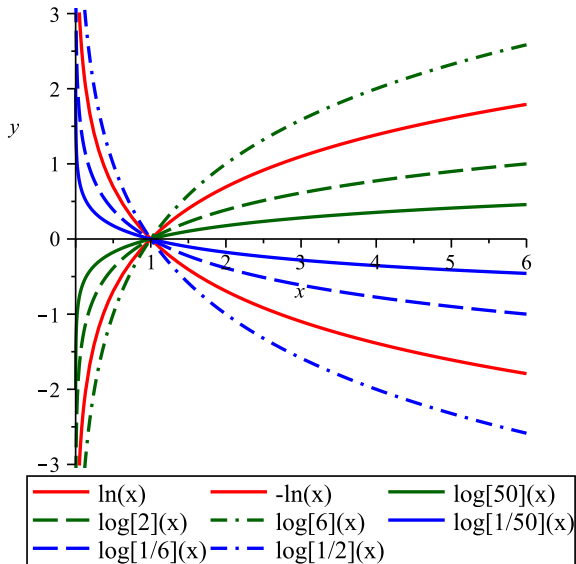
Logaritmy o základu větším než 1



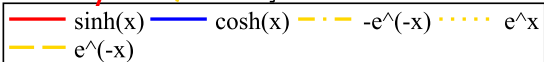
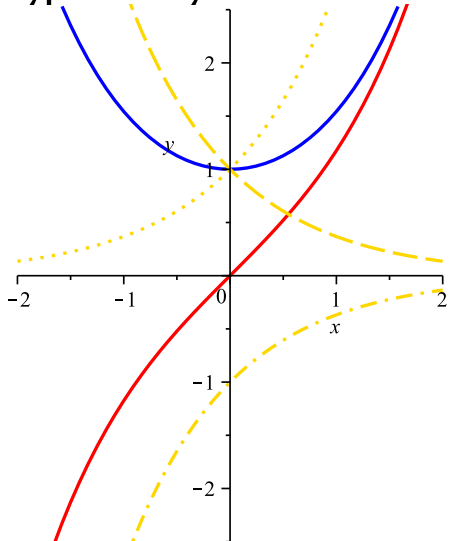
Logaritmy o základu menším než 1



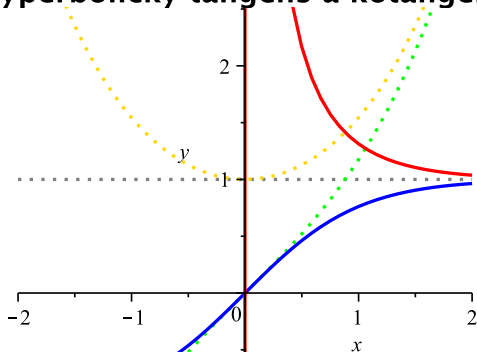
Logaritmy o základu větším i menším než 1



Hyperbolický sinus a kosinus

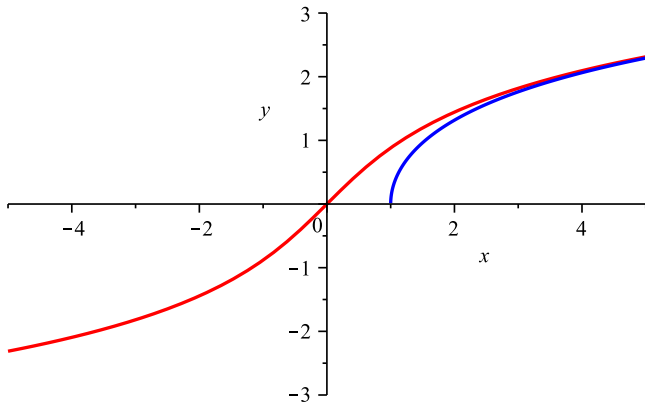


Hyperbolický tangens a kotangens



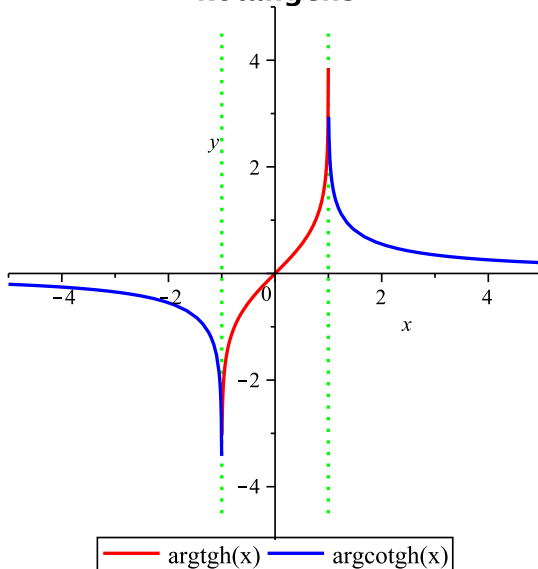
$\cdots \sinh(x)$ $\text{---} \tanh(x)$ $\cdots \cosh(x)$ $\text{---} \coth(x)$

Inverzní hyperbolický sinus a kosinus

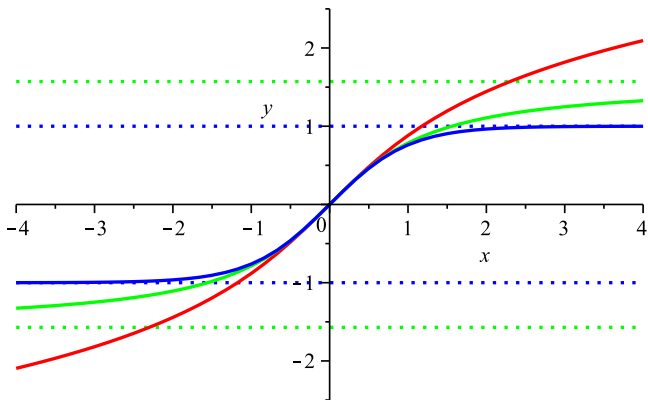


— $\operatorname{argsinh}(x)$ — $\operatorname{argcosh}(x)$

Inverzní hyperbolický tangens a kotangens



Arkustangens, hyperbolický tangens, inverzní hyperbolický sinus – srovnání



— $\text{arcsinh}(x)$ — $\text{arctg}(x)$ — $\text{tgh}(x)$