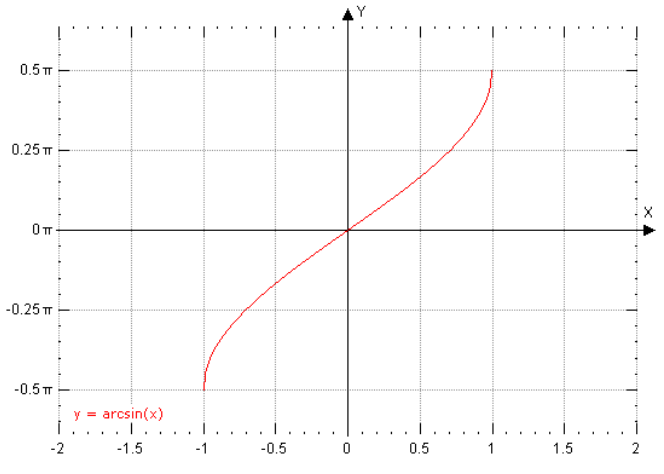
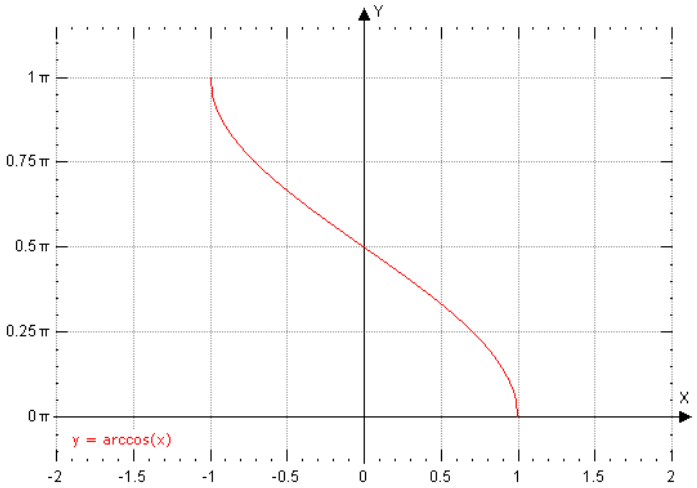
Cyklometrické funkce



y = arcsin x

Df = <-1;1>

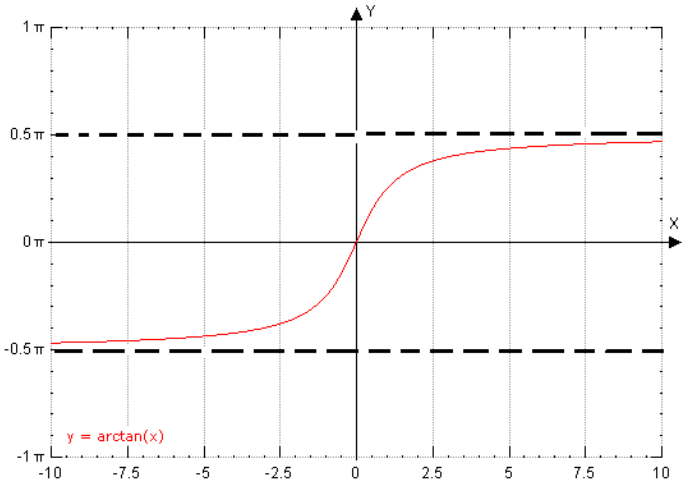
Hf = $\langle -\frac{\pi}{2}; \frac{\pi}{2} \rangle$



y = arccos x

Df = <-1;1>

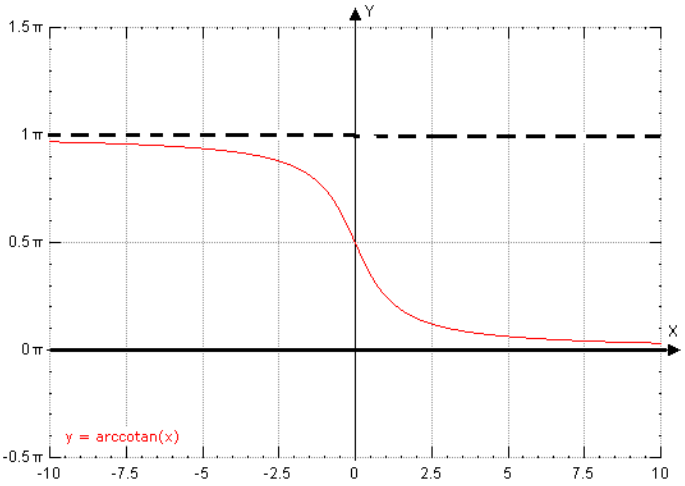
Hf = <0; π>



y = arctg x

Df = R

Hf = $\left(-\frac{\pi}{2}; \frac{\pi}{2}\right)$



y = arccotg x

Df = R

Hf = (0; π)

Základní hodnoty cyklometrických funkcí:

arcsin 1 = $\frac{\pi}{2}$

arcsin 0 = 0

arcsin (-1) = $-\frac{\pi}{2}$

arccos 1 = 0

arccos 0 = $\frac{\pi}{2}$

arccos (-1) = π

arctg 1 = $\frac{\pi}{4}$

arctg 0 = 0

arctg (-1) = $-\frac{\pi}{4}$

arccotg 1 = $\frac{\pi}{4}$

arccotg 0 = $\frac{\pi}{2}$

arccotg (-1) = $\frac{3\pi}{4}$