$${}^{x}\mathfrak{t} = \frac{{}^{x}\mathfrak{s}}{{}^{x}\mathfrak{c}}$$

$${}^{-x}\mathfrak{t} = -\,{}^{x}\mathfrak{t}$$

$$-\frac{\pi}{2}|\frac{\pi}{2} \xrightarrow[\text{bij}]{\mathfrak{t}} \mathbb{R}$$

$${}^{x}\underline{\mathfrak{t}} = \frac{{}^{x}\underline{\mathfrak{s}}\,{}^{x}\mathfrak{c} - {}^{x}\mathfrak{s}\,{}^{x}\underline{\mathfrak{c}}}{{}^{x}\mathfrak{c}^{2}} = \frac{{}^{x}\mathfrak{c}^{2} + {}^{x}\mathfrak{s}^{2}}{{}^{x}\mathfrak{c}^{2}} = \frac{1}{{}^{x}\mathfrak{c}^{2}} > 0 \Longrightarrow \mathfrak{t} \text{ streng isoton}$$

$$x \rightsquigarrow \frac{\pi}{2} \Longrightarrow \begin{cases} {}^{x}\mathfrak{s} \rightsquigarrow 1 \\ {}^{x}\mathfrak{c} \rightsquigarrow 0 \end{cases} \Longrightarrow {}^{x}\mathfrak{t} \rightsquigarrow +\infty$$

$$x \rightsquigarrow -\frac{\pi}{2} \Longrightarrow -x \rightsquigarrow \frac{\pi}{2} \Longrightarrow {}^{x}\mathfrak{t} = -\,{}^{-x}\mathfrak{t} \rightsquigarrow -(+\infty) = -\infty$$