Lohale Extrema

Monotonie

$$\frac{f'(x) > 0}{e^{2x} + e^{-2x} + 2} > 0$$

$$4 > 0 \qquad -> Streng monoton stripend$$

L = Ø

Wendepunlite

$$f''(x) = 0 f''(0_{1}01) - -0_{1}02$$

$$\frac{\delta e^{-2x} - 8e^{2x}}{(e^{2x} + e^{-2x} + 2)^{2}} = 0 f''(-0_{1}01) = 0_{1}02$$

$$8e^{-2x} - 8e^{2x} = 0 -> Windipunist$$

$$8e^{-2x} = 8e^{2x} (0|0)$$

$$e^{-2x} = e^{2x}$$

8e<sup>2\*</sup> = 0 -> Whidepunist  $8e^{-2*} = 8e^{2*}$  (0|0)  $e^{-2*} = e^{2*}$  -> x = 0 f''(-1) = 0,64-> feethshriving [0, 60], Linkshr. Jo,0]