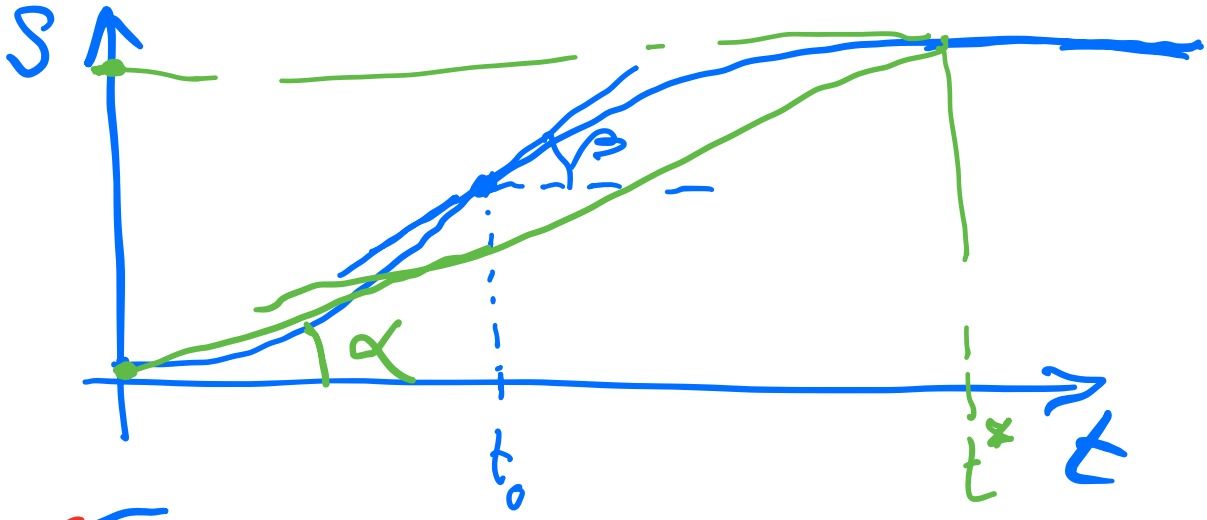
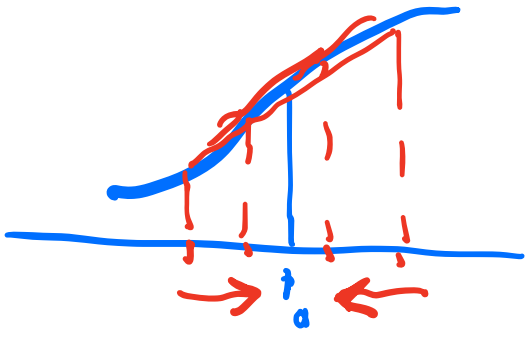
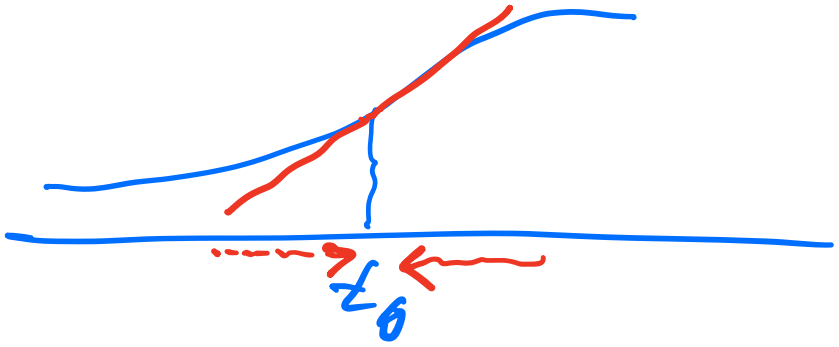




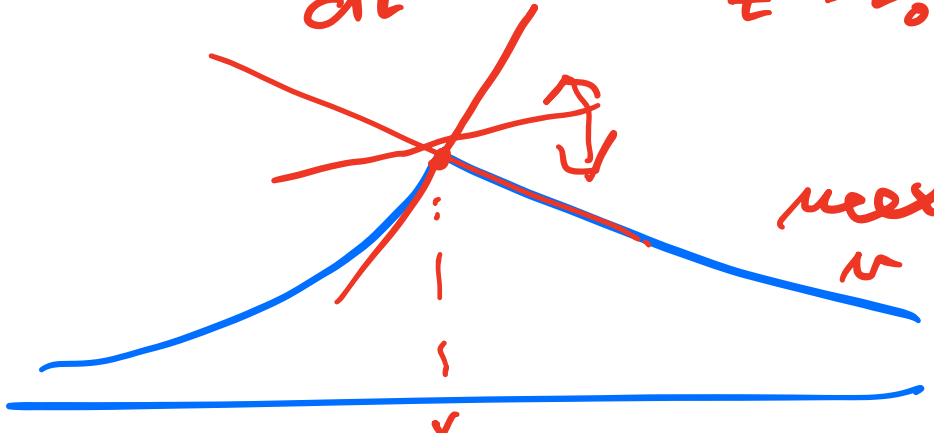
$\operatorname{tg}\alpha$ = rychlost (průměrná)

$\operatorname{tg}\beta$ = rychlost v t_0

$$\frac{s(t_2)-s(t_1)}{t_2-t_1} \xrightarrow[t_1 \to t_2]{} \text{směrnice tečny v } t_0 \ (= \text{derivace})$$



$$\frac{ds}{dt} = s'(t) = \lim_{t \to t_0} \frac{f(t)-f(t_0)}{t-t_0}$$



max. derivace v x_0