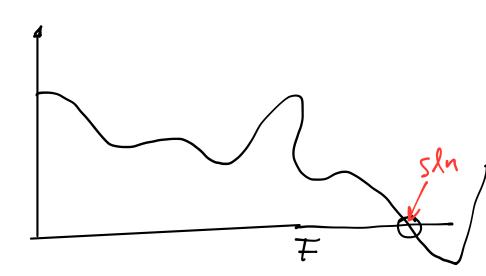
$$M = K(F) F d$$
  
 $M = 40 N.m$   $F = ?$   $d = 12 mm$ 

$$f(\bar{\tau}) = 40 - (0.18\bar{\tau}_{1} + 0.0005\bar{\tau}_{1})$$

$$f(\bar{\tau}) = 0$$



## Newton-Raphson

$$h = -\frac{f(x)}{f'(x)}$$

$$/ x_1 = x_0 + h$$
  $h = -\frac{f(x_0)}{f(x_0)}$ 

$$/ \chi_2 = \chi_1 + h \qquad h = -f(\chi_1)$$

$$\overline{\xi'(\chi_1)}$$

$$/ X_3 = X_2 + h$$
 $h = -\frac{(X_2)}{f'(X_2)}$ 

$$M = K(F) \cdot F \cdot d$$

$$f(F) = M - K(F).F.d = 0$$