Newton Method XK+1=XK-High Wing Newton's method  $f(x) = 0.55c^2 + 2.55x^2$ Solir Hi (20) = [33/2/2] 33/2/2/2  $\frac{\partial f}{\partial x} = \frac{5xy}{3} \frac{\partial^2 f}{\partial x^2} =$  $\frac{9x^{2}}{9z^{2}} = \frac{9x^{2}}{9}\left(\frac{9x^{2}}{9z}\right) = \frac{9x^{2}}{9}\left(\frac{2x^{2}}{2}\right) = 0$  $0 = (10) = \frac{326}{46} = \frac{326}{46} = \frac{326}{46}$ 30230C1

