2.9 $f''(x, -h) - 2f(x, +h) + f(x, +h) + \frac{h^2}{12}f(\xi)$ $\begin{array}{l}
\left| f'(x) \right| \leq M \quad \ell(x_i) \leq \mathcal{E} - \text{Bour. noryclustacting} \\
\text{mauroe shaw. } \quad \text{sparm. noryclustacting} \\
f(x_1-h) = f(x_1-h) + \ell(x_1-h), f(x_1+h) = f(x_1+h) + \ell(x_1+h)
\end{array}$ $E = \int \int (x_1) - \int (x_1 - h) - 2 \int (x_1) + \int (x_1 + h) \int \frac{1}{2}$ $\frac{2(x_1-h)-22(x_1)+2(x_1+h)}{h^2}$ $\leq \frac{\left[+ (x_1 - h) \right] + \left[+ (x_1 + h) \right]}{h^2} + \frac{h^2}{12} + \frac{h^2}{12} + \frac{h^2}{12}$ $\leq \frac{\mathcal{E} + 2\mathcal{E} + \mathcal{E}}{h^2} + \frac{h^2}{12} + \frac{h^2}{12$ E < $\frac{45}{h^2} + \frac{h^2}{12} M - Dyenka Emma. Norremnoema$ $\lim_{h \to 0} \left(\frac{4 \varepsilon}{h^2} + \frac{h^2 M}{12} \right) = \lim_{h \to 0} \left(\frac{4 \varepsilon}{h^2} \right) + \lim_{h \to 0} \left(\frac{h^2 M}{12} \right) = +\infty + 0 = +\infty$ h >0, E >00 > Bouncumeroux regenairubsoms E = min rpu hopt = (48E) 4

