.2

$$\|f-p\|_\infty [a,b] \leq (b-a)^{n+1} \frac{\|f^{(n+1)}\|_\infty [a,b]}{(n+1)!}$$

$$\left[h = \frac{b-a}{N} \rightarrow b-a = Nh \right]$$

$$\|f-p\|_\infty [a,b] \leq (Nh)^{n+1} \frac{\|f^{(n+1)}\|_\infty [a,b]}{(n+1)!}$$

$$\left[[a,b] \rightarrow N = 1 \right]$$

$$\|f-p\|_\infty [a,b] \leq \frac{h^{n+1}}{(n+1)!} \|f^{(n+1)}\|_\infty [a,b]$$