$$f(t) = \sin \frac{1}{2}$$

$$f'(t) = \cos \frac{1}{2} \cdot \frac{1}{2}$$

$$f''(t) = -\sin \frac{1}{2} \cdot \left[\frac{1}{2}\right]$$

$$f'''(t) = -\sin \frac{1}{2} \cdot \left[\frac{1}{2}\right]$$

$$f'''(t) = -\cos \frac{1}{2} \cdot \left[\frac{1}{2}\right]$$

$$f'''(t) = \frac{1}{2^{n}} \cdot \left[\frac{1}{2}\right] \cdot \sin \frac{1}{2} \quad DLA \quad n \quad PARLY STELLO$$

$$f'''(t) = \frac{1}{2^{n}} \cdot \left[-1\right]^{\frac{n}{2}} \cdot \cos \frac{1}{2} \quad DLA \quad n \quad NIEPARLY STELLO$$

$$r_{max} \quad |f(t) - L_{n}(t)| = \max_{x \in Lo_{1}, 1} \left| \frac{f^{(n+1)}(t)}{(n+1)!} \cdot f_{n}(t) \right| \leq \frac{1}{2^{n+1}(n+1)!}$$

$$|f_{n+1}(t)| \leq 1 \quad NIE \quad nA \quad cepsion 2$$

|Pam(+) | < 1 NIE MA CEPSTEND 2