Knagkelect Monuman 5130904/30002 Bap 47 $f(x) = \sin(\pi x); \quad x \in \left[-\frac{1}{9}, \frac{1}{9}\right]; \quad n = 3; \quad x_0 = -\frac{1}{9}$ $X_0 \int_{|x| = x}^{|x| = x} \frac{dx}{dx} |x = x_0| \frac{dx}{dx} |x = x_0|$ $-\frac{1}{4} - \frac{1}{2} = \frac{1}{12} \frac{1}{2} = \frac{1}{12} \frac{1}{2} = \frac{1}{12} \frac{1}{2}$ $H_3(x) = \int_0^2 + (x - x_0) \frac{1}{12} + (x - x_0)^2 \frac{1}{21} + (x - x_0)^3 \frac{1}{21}$ $H_3(x) = -\frac{1}{2} + (x + \frac{1}{9}) \frac{\pi}{12} + (x + \frac{1}{9}) \frac{\pi}{12} \frac{1}{2} + (x + \frac{1}{9})^2 \frac{\pi^{3/2}}{12}$ $F_{DAGOUK} \quad norpeumceru:$ $H_3(x) = \int_0^2 f(x) - \int_0^2 f(x) dx = \sin(\pi x) - \frac{1}{2} - (x + \frac{1}{9}) \frac{\pi^{3/2}}{2} + (x + \frac{1}{9})^2 \frac{\pi^{3/2}}{12} - (x + \frac{1}{9}) \frac{3\pi^{3/2}}{12}$

