$L_2(x) = \frac{x - f(x_2)}{x_2 - f(x_2)}$ $J_0(x) = \frac{X - f(x_0)}{X_0 - f(x_0)}$ $\chi_1(x) = \frac{x - f(x_1)}{x_1 - f(x_1)}$ b. P'(x0) = f(x0) $f(x_0)(1-f'(x_0)) \sim f(x_1)-f(x_{0-1})$ $X_{\rho} - f(X_{\rho})$ 6) $P'(X_0) = f'(X_0)$; $P(X) = f(X_0) \cdot \frac{x - f(X_0)}{X_0 - f(X_0)} + f(X_1) \cdot \frac{x - f(X_1)}{X_1 - f(X_1)} + f(X_2) \cdot \frac{x - f(X_2)}{X_2 - f(X_2)}$ > f(X0) = f(X0+h)-f(X0-h) } $P(x_0) = f(x_0) \cdot \frac{x_0 - f(x_0)}{x_0 - f(x_0)} + f(x_1) \cdot \frac{x_0 - f(x_1)}{x_1 - f(x_1)} + f(x_2) \cdot \frac{x_0 - f(x_2)}{x_2 - f(x_2)}$ $P(X_0) = f(X_0) + f(X_1) \cdot \frac{X_0 - f(X_1)}{X_1 - f(X_1)} + f(X_2) \cdot \frac{X_0 - f(X_2)}{X_2 - f(X_2)}$ $P'(x) = \frac{f(x_0)(1-f'(x_0))}{x_0-f(x_0)} + \frac{f(x_1)(1-f'(x_1))}{x_1-f(x_1)} + \frac{f(x_2)(1-f'(x_2))}{x_2-f(x_1)} \approx \frac{1}{2h} \left(f(x+h)-f(x-h)\right)$

LIDE