Mustafa Can Çalışkan 150200097

Mustafa Con adiskon 150200097 0061: f(x+h)=f(x)+hf(x)+b2f"(a) $f'(x) = \frac{f(x+h) - f(x)}{h} - \frac{h}{2}f'(a)$ truncation (O(h))

German decreases linearly with h $f(x+h) = f(x) + hf'(x) + \frac{h^2}{2} f''(x) + \frac{h^3}{6} f'''(6)$ $(f(x-h)) = f(x) - hf'(x) + \frac{h^2}{2} f''(x) - \frac{h^3}{6} f'''(6)$ $f'(x) = \frac{f(x+h) - f(x-h)}{2h} - \frac{h^2}{6} f'''(6)$ B) is more scream (0(h2))
accorde Una Error decreases quadratically with h

$$\begin{vmatrix} 3-2 & -1 \\ -1 & 3-2 \end{vmatrix} \rightarrow (3-7)^2 - 1 = 0$$

$$(3-y)_{5}=1$$

$$\eta^2 - 6\eta + 8 = 0$$

eigen-edor of 7=2:

eigenvector of n=4: