

$$\begin{array}{l} \text{ANL-12} \\ \text{On}(f) = \sum\limits_{k=0}^{n} A_k f(x_k), \quad \text{$v \leq 2n+2$} \\ \text{Polorize, ie} \quad \exists w \in \Pi_{2n+2}/\Pi_{2n+2} \quad \text{t. ie} \\ \text{Qn}(w) \neq \int\limits_{0}^{\infty} f(x) & \in \Pi_{2n+2} \\ \text{Weigny} \quad f(x) = \int\limits_{0}^{\infty} f(x-x_k)^2, \quad f(x) > 0 \\ \text{Wige Shoro } f(x) = 0 <=> x = x_k, \quad \text{t. $pow tymin $n+1$ possible onin} \\ f(x) > 0 \quad \text{suphis } \int\limits_{0}^{\infty} f(x) dx > 0 \\ \text{A le } \text{Qn}(f) = \sum\limits_{k=0}^{\infty} A_k f(x_k) = 0 \\ h = 0 \end{array}$$

(5)
$$L_{n}(x) = \sum_{k=0}^{n} f(x_{k}) \frac{1}{11} \frac{x-x_{j}}{x_{k}-x_{j}}$$
 $x_{k} = \omega + \frac{b-\omega}{n} le - w_{j} = \frac{b-\omega}{n} (le-j) = h(k-j)$
 $x_{k} - x_{j} = (\omega + \frac{b-\omega}{n} le) - (\omega + \frac{b-\omega}{n} le) = \frac{b-\omega}{n} (le-j) = h(k-j)$
 $x_{k} - x_{j} = x - (\omega + \frac{b-\omega}{n} le) = x - \omega - h_{j} = x - (\omega + h_{j})$
 $x_{k} = \omega + th c_{k} + \frac{b-\omega}{n} le = x - (\omega + h_{j}) = x - \omega - h_{j} = x - (\omega + h_{j})$
 $x_{k} = \omega + th c_{k} + \frac{b-\omega}{n} le = x - (\omega + h_{j}) = x - \omega - h_{j} = x - (\omega + h_{j})$
 $x_{k} = \omega + th c_{k} + \frac{b-\omega}{n} le = x - (\omega + h_{j}) = x - \omega - h_{j} = x - (\omega + h_{j})$
 $x_{k} = \omega + th c_{k} + \frac{b-\omega}{n} le = x - (\omega + h_{j}) = x - \omega - h_{j} = x - (\omega + h_{j})$
 $x_{k} = \omega + th c_{k} + \frac{b-\omega}{n} le = x - (\omega + h_{j}) = x - \omega - h_{j} = x - (\omega + h_{j})$
 $x_{k} = \omega + th c_{k} + \frac{b-\omega}{n} le = x - (\omega + h_{j}) = x - (\omega + h_{j})$
 $x_{k} = \omega + th c_{k} + \frac{b-\omega}{n} le = x - (\omega + h_{j}) = x - (\omega + h_{j}) = x - (\omega + h_{j})$
 $x_{k} = \omega + th c_{k} + \frac{b-\omega}{n} le = x - (\omega + h_{j}) = x - (\omega + h_{j}) = x - (\omega + h_{j})$
 $x_{k} = \omega + th c_{k} + \frac{b-\omega}{n} le = x - (\omega + h_{j}) = x - (\omega + h_{j}) = x - (\omega + h_{j})$
 $x_{k} = \omega + th c_{k} + \frac{b-\omega}{n} le = x - (\omega + h_{j}) = x - (\omega + h_{j}) = x - (\omega + h_{j})$
 $x_{k} = \omega + th c_{k} + \frac{b-\omega}{n} le = x - (\omega + h_{j}) = x - (\omega + h_{j}) = x - (\omega + h_{j})$
 $x_{k} = \omega + th c_{k} + \frac{b-\omega}{n} le = x - (\omega + h_{j}) = x - (\omega + h_{j}) = x - (\omega + h_{j})$
 $x_{k} = \omega + th c_{k} + \frac{b-\omega}{n} le = x - (\omega + h_{j}) = x - (\omega + h_{$

All jest nymeme

$$A_{k} = \frac{(-1)^{n-k}}{k!(n-k)!} \cdot h \cdot \int \prod_{i=1}^{n} (t-j)dt$$

$$A_{k} = \frac{(-1)^{n-k}}{k!(n-k)!} \cdot \frac{1}{n} \cdot \frac{1}{b^{-\alpha}} \cdot \int \prod_{i=1}^{n} (t-j)dt$$

$$A_{k} = \frac{(-1)^{n-k}}{k!(n-k)!} \cdot \frac{1}{n} \cdot \frac{1}{b^{-\alpha}} \cdot \int \prod_{i=1}^{n} (t-j)dt$$

$$A_{k} = \frac{(-1)^{n-k}}{k!(n-k)!} \cdot \frac{1}{n} \cdot \frac{1}{b^{-\alpha}} \cdot \frac{1}{a^{-\alpha}} \cdot \frac{1}{a^{-\alpha}}$$