EGZAMIN Z ANALIZY NUMERYCZNEJ (L)

8 lutego 2021 r.

Pierwszy termin

Pracuj samodzielnie!!!

Imię i nazwisko: Macper Bajkiewke

Numer części: Numer zadania:

(f.8) =
$$f(3)g(-3) + f(-2)g(-2) + f(0)g(0) + g(2)f(2) + g(3)f(3)$$

Cigg whelemional alogonal much definitivemy or taki spossob:
 $P_0 = 1$, $P_1 = x$, $P_k = (x - c_k)P_{k-1}(x) - d_kP_{k-2}(x)$ $(k=2,3,...,4)$
 $P_1 = x$, $P_k = (x - c_k)P_{k-1}(x) - d_kP_{k-2}(x)$ $(k=2,3,...,4)$
 $P_2 = x$, $P_1 = x$, $P_2 = x$, $P_2 = x$, $P_2 = x$.
Wielomian optymalny $F_2 = x$, $F_2 = x$, $F_3 = x$.
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Policemy the lomiony or begans like trigoden the good transposition of the properties of the properti

leror prukamy vielemianu optymalnego najlepiej dopasovanego do danych: f => × × 13/2/0/2/3 $P_2 = x^2 - \frac{76}{5}$ W 2 (x) = <\frac{\xi_1P_07}{\xi_P_0, P_07} P_0(x) + \frac{\xi_1P_17}{\xi_P_1P_17} P_1(x) + \frac{\xi_1P_27}{\xi_P_0, P_07} P_2(x) Po>=4f(-3)+10f(-2)+1.f(0)+1.f(2)+1.f(3)=4+1+2+1+4=12. <f(P2) = (f(-3))((-3)^2 - 26) + f(-2)((-2)^2 - 26) + f(0)(0^2 - 26) + f(1)(2^2 - 26) +</p> f(-3)·(-3)2-f(-3)·26+f(-2)(-2)2-f(-2)·26+f(0)·0f(0)-等+f(2)·22-f(2)·36+f(3)·32-f(3)·36=\$36-436+4-36+ $0 - \frac{2.26}{5} + 1880 + - \frac{26}{5} + 36 - \frac{4.26}{5} = 80 - 126$ Ozyli 4,B7=8 $((-3)^2 - \frac{5}{5})((-3)^2 - \frac{5}{5}) = (-3)^2 - \frac{5}{5}$ LPO, POT = 1+1+1+1+1=6. LP1P17 = (-3)24 + (-2)2+ 22+32=26 (P2, P27= A4A(3)2-等)((3)2-等)+((2)2-等)((2)7-等)+(0-等)(0号) +(22-46)(27-26)+(3-26)(32-26)=2(8-46)24+2(4-26)2+(-26)2= $2 \cdot (\frac{18}{5})^2 + (\frac{6}{5})^2 + (\frac{26}{5})^2 - \frac{361}{25} = \frac{36}{25} = \frac{36}{25} = \frac{2146}{25}$ (f.B) = 88 = 88 - 25 = 60 - 0. Latem: H2 = 2.Po(x)+0.Pa(x)+ huo P2(x)=2+ 146 (x2-36)