futgabe 1, Serie 2 Dit (x2, h) f(x) = kn(x2) x=2 h= 0.1 hz= 0.05 hz= 0.025 hy=0.0125 $Dit = \frac{2^{k}}{2^{t}-1}$ Dif (xo, h) = f(xo+h) - f(xo) $A = D_{00} = \frac{f(2,1^2) - f(4)}{0.1} = 0.9758$ $L = D_{10} = f(2.05) - f(4) = 0.9877$ $L_3 = D_{20} = \frac{f(2.025^2) - f(4)}{0.025} = 0.3938$ $L_{4} = D_{30} = 4(2.0125^{2}) - 4(4) = 0.9969$

Fio Dio	tin	Eiz Diz	Di'3	
29258	Do1 0.993604 3.3428e	Doz 1.0 26 3.6464-6	Do3 1.0 1.3086·e	$4(x) = 2 \ln (x)$ $4'(x) = 2 \cdot \frac{1}{x} = \frac{2}{x}$
0.3077	D ₁₁ 0.3999 1.0150e	D12 1-0 4.7163·e°7		$4'(x_0) = \frac{2}{2} = 1$ $ tiv = Div - 4'(x_0) $
0.9969				