

T=2T (#2) even so by=0 = 立下 251小(水生) 1714 = 2# 4 51m (n) 90 = 1 STY 1 = 1 = 4 $F(H) \sim \frac{1}{8} + \frac{2}{n-1} \sum_{n \neq 1}^{2} \frac{2}{n + 1} \sin \left(\frac{n + 1}{8}\right) \cos \left(\frac{n + 1}{2}\right)$ bn= 7 5 + SINN t dt = 7 [t (cosnt)] #39 odd so \$ 9,00 $|u=t|_{dv=\sin ntd+1} + \int_{0}^{T} \frac{\cos nt}{n} dt$ $dy=dt = -\cos nt$ $= \frac{2}{H} \left[- \frac{\cos n}{n} + \frac{\sin nt}{n^2} \right] = \frac{2}{n} \cos nT = \frac{2}{n} (-1)$ 年出れ 三元(1)m1 SIN(4t)

(3b) Just computed $= \frac{2}{N} (-1)^{N+1} \sin(n+1)$ = S Bn SIN(nt) orthonormal form So $\frac{B_n}{N\pi} = \frac{2}{n}(-1)^{n+1}$ or $\frac{B_n}{N\pi} = \sqrt{\pi} \cdot \frac{2}{n}(-1)^{n+1}$ So in ormanded for.

FIED N Z (NTZ-(-1)MI). SIN (NT)

NTT (30) 1/EN1 = 1/F11 - 2 (Bn) = 2T3 - 2 4T N=1 N2 114112: 5t +2 + = +3 | T = 2T3