dus: T (t) = nm. con (c. (2 m+1). TE. t) + tm n: (c. (2 m+1) TE t)

\ \(\(\bu(\bu(\bu(\bu)) = 0\)

(Repeat rom, to)

 $U_{\ell}(\alpha, t) = \sum_{n=1}^{+\infty} \left(n \cdot con \left(c \cdot \frac{(2n+1)\pi \cdot t}{n \cdot t} \right) + n \cdot n \cdot n \cdot \left(c \cdot \frac{(2n+1)\pi \cdot t}{n \cdot t} \right) \right) \cdot con \left(\frac{2n\pi \cdot t}{n \cdot t} \right)$

w(x) = Ro+ [(nm.con(c. (2m7x) = 1) + 1 m.nm (c. (2m7x). T. +)). con(12m7x)

dus if w(x,0) = f(x) = ho + 100 m. (o) ((1m)) Ta

(2m) To: | Lon ((2m24) T a) . 8 (x) ohr

m'(0,0) = 8(2) = \(\frac{1}{2} \tau \cdot \f