```
1) de m(x,+) = c2. dx m(x,+) -> golfv3c.
                                                                                     \frac{1}{2} (0nd^{2}) = 0
\frac{1}{2} (0, 1) = 0
\frac{1}{2} (0, 1) = 1
\frac{1}{2} (0, 0) = 1
\frac{1}{2} (0, 0) = 1
                                                                  — 5theidiz der Manden bika.
                                                                             (4) T. (2) X = (4,0) x
                                                                      12 T"X = 2 X"T
                                                                 \frac{1}{2} \frac{T}{T} = \frac{1}{2} \frac{X}{X} = \frac{1}{2} \frac{
                                                                       — Bepalin mormale modes
                                                                                    · Home de me nound voor and dem
                                                                                  X"= X.0, x leben bennam en diribled voien. dur :
                                                              1) 5 > 0 & c. c + c. e = 0
                                                                  8) 5=0; CA + C2 . X =0
                                                                  3) 500: (100 ( kx) + (1 nim( kx) , k= -0
                                                                                            1) X'(6)= C1. VO - C1. VO =0 ~) C1= C2=0.
                                                                                                                  X(1) = CA. ( + 20.0 . 0
                                                                                                        - CA+ Ce.L=0
                                                                                        3) x'(0) = k.c. = 0 (2) (9=0
                                                                                                             X(L) = c1 (o) ( f. L) = 0
                                                                                                                                                                                                         1.0 T. (9 17+7)
                                                                                                         dro an = cos ( 17. (2pm) a) met
                                                                                                                                                                                                                                                      Q= - ( (1 brun))
                                                                                              Tw= ch.T.o
                                                                                                                L) o. c. c.
                                                                                              dus: The shock (c. The con (c. The con))
                                                                                                                                                  + ta. o. ( c. 12. ( exper) +)
                                                                                                                n\delta(\alpha', t) = \sum_{n=1}^{\infty} (n - \cos(n) + \frac{1}{4} \cos(n)) \cdot \cos(\frac{5\Gamma}{4} \cdot (61441)\alpha)
                            · inhomogene nand woon so asher:
                                            A+ Ba
                          (2) A+ B(U) = ho (=7 A= lo = wp
                tobale alonie
m(a,t) = \( \land{a}, \cos \land{a} + \frac{1}{2} \land{a} + \frac{1}{2} \land{a} + \frac{1}{2} \land{a} + \frac{1}{2} \land{a} \land{a} + \frac{1}{2} \land{a} \land{a} \land{a} + \frac{1}{2} \land{a} 
                                          _ varakay van besi-vn.
                c. (a.0) = ](x) = } n. (es ( TE. (cpata) a) tho
            (2) $131- lo = [ nm. con(")
          <=> cm = 2. \ (](a)-ho). con(").da
                                                                                                                                                                                                                                           (0) ( K. ( exety) x)
        er no th :
           u'(x,0) = \sum_{n=0}^{\infty} f_n \cdot \left(\frac{\pi}{1!} \cdot c \cdot (e^{n+1})\right) \cdot cos(n) = g(n)
```

Brijf oxileen (geen dempire) en de greetik peridde in wommen (m=0), den

[ 8(m).com (11) = fm (11). 1

 $T = \frac{2\pi}{2k} =$