```
Bài tùp lần 18
34, Sath Thay Hop
  DU = 0
   Ulr=1 = I-4
   11/2= ln2- 1y+z
 - Da bien | x = rcost
                   y=rsmo
  -, vcr, t) = ucrosts rsm t) 7/m bai toan
              \frac{N_r}{r}, v_{rr} + \frac{N_{\theta\theta}}{r^2} = 0 1 \le r \le 2, 0 \le \theta \le 2\pi
  AK ben N(1,6) - rose - 8m 6
               N(2,6) = ln2 - 1 smf + 20050.
 Chuốn nghiêm của VCT, 6) (à dang
 \mathcal{N}(\Gamma,\Theta) = Q_0 + b_0 \ln r + \sum_{n=1}^{\infty} r^n \left[ a_n \cos(n\Theta) + b_n \sin(n\Theta) \right] + \sum_{n=1}^{\infty} r \left[ C_n (os(n\Theta) + d_n sin(n\Theta)) \right]
V(1,6) = Q_0 + \sum_{n=0}^{\infty} [a_n \cos(n\theta) + bn \sin(n\theta)] + \sum_{n=0}^{\infty} [(n\cos(n\theta) + dn \sin(n\theta))]
    = (05A - 8m A
 -> Pring nhoà he số', Ta được
    Q_0 = 0
   91+ C1=1
   b, + d1 = -1
  Un+Cn=O +n +1
 b_{n+dn} = 0 + n + 1
b_{n+dn} = 0 + n + 1
b_{n+dn} = 0 + n + 1
b_{n+dn} = 0 + b_{n}b_{n+d} + \sum_{n=1}^{\infty} \frac{1}{(a_{n}(0s(ne) + b_{n}s_{m}(ne))]} + \sum_{n=1}^{\infty} \frac{1}{(a_{n}(0s(ne) + b_{n}s_{m}(ne))]}
          = ln2- 4.18m6+2000.
```

$$\int \frac{1}{2} \int \frac{1}{2} \frac{1}{1} = \frac{1}{2} = \frac{1}$$

Tù
$$\begin{cases} bn + dn = 0 & \forall n \neq 1 \rightarrow bn = dn = 0 \forall n \neq 1 \\ 2^n bn + 2^n dn = 0 \end{cases}$$

Tan la
$$q_0 = 0$$
, $b_0 = 1$
 $a_1 = 1$, $b_1 = 0$
 $a_1 = 0$, $a_1 = -1$

$$a_n, b_n, c_n, cl_n = 0 \forall n \neq 1,0$$

$$\frac{3m\theta}{r^2} = \frac{3m\theta}{r^2} =$$

Thủ lai

7 , 12%
$U = \frac{x}{1 + \frac{2xy}{1 + \frac{2xy}{$
$z = (\sqrt{2} + \sqrt{2})^2 = (x^2 + y^2)^2 = x^2 + y^2$
111 7111 -/1 - 2011 1
$\frac{(x^{2}+y^{2})^{4}}{(x^{2}+y^{2})^{2}} = \frac{(x^{2}+y^{2})^{4}}{(x^{2}+y^{2})^{4}}$
$(x+y)$ $2y-x^2+y^2$ yx^2y
$(\chi^2 + \gamma^2)^2$ $(\chi^2 + \gamma^2)^2$ $(\chi^2 + \gamma^2)^3$ $(\chi^2 + \gamma^2)^3$ $(\chi^2 + \gamma^2)^3$
$\frac{y-\frac{4}{\chi^{2}+y^{2}}-\frac{2y^{2}}{(\chi^{2}+y^{2})^{2}}-\frac{4}{\chi^{2}+y^{2}}+\frac{y^{2}-\chi^{2}}{(\chi^{2}+y^{2})^{2}}}{\chi^{2}+y^{2}-\chi^{2}+\chi^$
My - 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1
$\chi^4 y^2$ $(\chi^2 + y^2)^2$ $\chi^4 \gamma^2$ $(\chi^4 \gamma^2)$
$\frac{\chi^{2}y^{2}}{y^{2}} = \frac{(\chi^{2}+y^{2})^{2}}{\chi^{2}-y^{2}} + \frac{2y(\chi^{2}+y^{2})^{2}}{\chi^{2}-\chi^{2}} + \frac{2y(\chi^{2}+y^{2})^{2}}{\chi^{2}+\chi^{2}} = \frac{(\chi^{2}+y^{2})^{2}}{(\chi^{2}+y^{2})^{2}}$
$(\chi^2 + y^2)^2 \qquad (\chi^2 + y^2)^4$
$= \chi^2 - y^2 + 2y \cdot 4y^3 + 4\chi^2 y$
$(\chi^2 + \chi^2)^2$ $(\chi^2 + \chi^2)^3$
, 4xx + Uyy = 0 (7/m)
Grand 2-inted
Charles a little Contract Contract
at any scalar no on their constant
to a grant and the second of t
The state of the s
The second secon