

⇒ βεὰ τεαίν 5-Τ:
$ \Phi(-\frac{\pi}{2}) = \Phi(\frac{\pi}{2}) = 0 $ $ -, (ant ) = \left(\frac{n\pi}{T}\right)^2 = n^2 $ $ \Phi_n(\theta) = G_n  sin \left[n(\theta + \frac{\pi}{2})\right]  n = 1,2,3 $ $ \Rightarrow rR + rR' + r^2R'' - n^2R = 0 $ $ \Rightarrow R(r) = g_n r^n + b_n r^{-n} $ $ Do R(r) bi chain lehi                                   $
$ \frac{1}{\sqrt{n}} = \left(\frac{n\pi}{T+\frac{r}{T}}\right)^{2} = n^{2} $ $ \frac{1}{\sqrt{n}} = \left(\frac{n\pi}{T+\frac{r}{T}}\right)^{2} = n^{2} $ $ \frac{1}{\sqrt{n}} = \frac{1}{\sqrt$
$ \frac{\pi_{1}}{2} \frac{\pi}{2} $ $ \frac{\pi_{n}(\theta) - q_{n}}{2} s_{m} \left[ \frac{n(\theta + \frac{\pi}{2})}{2} \right] \qquad n = 1,2,3, $ $ r_{R} + r_{R}' + r_{R}'' - n_{R}'' = 0 $ $ - R(r) = q_{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $
$ \frac{\pi_{1}}{2} \frac{\pi}{2} $ $ \frac{\pi_{n}(\theta) - q_{n}}{2} s_{m} \left[ \frac{n(\theta + \frac{\pi}{2})}{2} \right] \qquad n = 1,2,3, $ $ r_{R} + r_{R}' + r_{R}'' - n_{R}'' = 0 $ $ - R(r) = q_{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $ $ \frac{\pi_{n}(\theta) - q_{n}}{n} r_{n}'' + b_{n} r_{n}^{-n} $
$ \Phi_{n}(\theta) - q_{n}  s_{m} \left[ n(\theta + \frac{r}{2}) \right]  n = 1,2,3, $ $ \Rightarrow r_{n} + r_{n}^{2} + r_{n}^{2} + r_{n}^{2} = 0 $ $ \Rightarrow R(r) = q_{n} r_{n}^{m} + b_{n} r_{n}^{-n} $ $ D_{0}  R(r) \text{ bi chain } \text{ lehi: } r \Rightarrow 0^{+} \Rightarrow R(r) = q_{n} r_{n}^{m} $
$PR+ rR'+r^2R'' - n^2R = 0$ $R(r) = q_n r^n + b_n r^{-n}$ $R(r) = hi chai                                $
Do $R(r) = \frac{q_n r^n + b_n r^{-n}}{n}$ Do $R(r)$ bi chain behi $r \to 0^+ \to R(r) = a_n r^n$
Do $R(r) = \frac{q_n r^n + b_n r^{-n}}{n}$ Do $R(r)$ bi chain behi $r \to 0^+ \to R(r) = a_n r^n$
Do $R(r)$ bị chain bhi $r \to 0^+ \to R(r) = a_n r^n$
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> Chuốt nghiên (là 18(r.t.) là
C MULTURIUM UTU 1/1 / 3// 1//
$AS(r,t) = \sum_{n=0}^{\infty} Q_n r^n S(n,t) T$
$N(r, 0) = \sum_{n=1}^{\infty} q_n r^n s_m \left[ n \left( \theta + \frac{\pi}{2} \right) \right]$
18 (12ft) - 5 9 8m [M(A+T)] 1 em (26)
$N(1,0) = \sum_{n=1}^{\infty} q_n s_m \left[ n(0+T_2) \right] = \frac{1}{2} s_m(20)$
$=\frac{1}{2} \operatorname{Sm} \left[ 2 \left( \theta + T \right) - TT \right] = -\frac{1}{2} \operatorname{Sm} \left[ 2 \left( \theta + T \right) \right]$
Dêng nhoà hè số, 7a được $a_2 = -1$ , $9_n = 0 + n + 2$
$\Rightarrow \mathcal{R}(r,\theta) = -\frac{r^2}{2} sm \left[ 2(\theta + \frac{\pi}{2}) \right]$
$\frac{1}{2}$
$= r^2 \text{ Im } (2\theta) - r^2 \text{ In } (2\theta)$
$= \frac{r^2}{2} \text{ Im } (20) = r^2 \text{ sm} + \cos \theta = xy = u(x,y)$
This lai: Uxx + Uyy = 0 + 0 = 0 (7/m)
$\mathcal{M}(x,y) = xy  \text{Khi}  x > 0,  x^2 + y^2 \leq 1$
au(1)4) = xy the x2442=1, x > 0 (1/m)
1-1, 1>0 (7/m)

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Such Niksirat - Teany 195-198
6.24
     \int \Delta \phi = -\lambda \phi
       $ (0,y)= $,(9,y) = O
         \phi(x,0) = \phi_{x}(x,b) = 0
       Trong HCN \Omega = (O, a) \times (O, b)
    Til the the boy, Torgo bou rocin STT
    - Ta xai định (c' số cuả lehong gian nghiêm của bài toàn gân rac pti.
      (d dang $ (x,y) = X(x) Y(y)
      Tir their buen të bai, ta co bai teran 5-T
        \int x''(x) - \lambda_1 X(x) = 0, \quad x(0) = x'(a) = 0
        Y"(y) - 22 Y(y) = 0, Y(0) = Y'(b) = 0
      \lambda \ln = -\left(\frac{\pi}{\alpha}\left(n+\frac{1}{2}\right)^{2}\right)^{2}, \chi_{n}(x) = s_{m}\left[\frac{\pi}{\alpha}\left(n+\frac{1}{2}\right)x\right], n = 0,1,2,\dots
     \lambda_{2m} = -\left(\frac{\pi}{h}\left(m+\frac{1}{2}\right)^{\frac{n}{2}}\right)^{2}, \forall m(y) = 8m\left[\frac{\pi}{h}\left(m+\frac{1}{2}\right)y\right], m = 0, 1, 2, ...
  -2\frac{\phi_{n,m}(x)y)=}{2} Y_n(x) Y_m(y) = s_m \left[ \frac{\pi}{a} \left( n + \frac{1}{2} \right) x \right] s_m \left[ \frac{\pi}{b} \left( m + \frac{1}{2} \right) y \right], n, m = 1
                                                                                                       0,1,2,.
   - Chươi nghiêm
    \varphi(x)y = \sum_{n} \left[\frac{\pi(n+1)x}{2}\right] sin\left[\frac{\pi(m+1)y}{2}\right]
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