$$Sin(3\pi x)$$

we arrive to 
$$X'' + KX = 0$$

$$Y'' - KY = 0$$

$$\chi(x) = A \cos(\nu x) + B \sin(\nu x) \text{ is a radious.}$$

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then 
$$\chi(x) = B \operatorname{im}(yx)$$

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$$\chi(x) = 0 = B \operatorname{im}(yx)$$

$$\chi(x) = B_n \operatorname{im}(yx)$$

is a rolution.

a rolation.  

$$\gamma(0) = 0 = const.0 + const.1 \Rightarrow \gamma(y) = sinh(ny)$$
  
 $= sinh(ny)$ 

PDE V BC VV V. 
$$(x,y) = Bn in (nTX) - sinh (nTY)$$

FOR BC VV V.  $(x,y) = \sum_{n=1}^{\infty} B_n in (nTX) - sinh (nTY)$ 

For BC  $(x,b) = sin (3TX)$ 

Sin  $(3TX) = \sum_{n=1}^{\infty} B_n sin (nTX) - sinh (nTX)$ 

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Maple.