





$$= \frac{\chi''_{u}}{\chi_{u}}(x) = \frac{\gamma_{u}}{\gamma_{u}}(y) = -\lambda_{n}$$

$$\begin{cases} \chi''_{1} - \lambda_{u} \chi_{u} = 0 \\ \chi_{u}(x) + \lambda_{u} \chi_{u} = 0 \end{cases}$$

$$\begin{cases} \chi''_{1} + \lambda_{u} \chi_{u} = 0 \\ \chi_{u}(x) + \lambda_{u} \chi_{u} = 0 \end{cases}$$

$$\begin{cases} \chi''_{1} + \lambda_{u} \chi_{u} = 0 \\ \chi''_{2} + \lambda_{u} \chi_{u} = 0 \end{cases}$$

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$$\begin{cases} \chi''_{$$

$$X_{n}(x) = \frac{\sinh\left(\frac{n\pi}{b}(a-x)\right)}{\cosh\left(\frac{n\pi}{b}(a-x)\right)}$$

$$W(x,y) = \frac{\cos\left(\frac{n\pi}{b}(a-x)\right)}{\cosh\left(\frac{n\pi}{b}(a-x)\right)} \frac{\sin\left(\frac{n\pi}{b}y\right)}{\sinh\left(\frac{n\pi}{b}y\right)}$$

$$W(x,y) = \frac{\cos\left(\frac{n\pi}{b}y\right)}{\cosh\left(\frac{n\pi}{b}y\right)} = \frac{1}{2} \frac{\cos\left(\frac{n\pi}{b}y\right)}{\cosh\left(\frac{n\pi}{b}y\right)} = \frac{1}{2} \frac{1}{2} \frac{\cos\left(\frac{n\pi}{b}y\right)}{\sinh\left(\frac{n\pi}{b}y\right)} = \frac{1}{2} \frac{1}{2} \frac{\cos\left(\frac{n\pi}{b}y\right)}{\sinh\left(\frac{n\pi}{b}y\right)} = \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{\cos\left(\frac{n\pi}{b}y\right)}{\sinh\left(\frac{n\pi}{b}y\right)} \frac{1}{2} \frac{1$$