We know that: 
$$\frac{d}{dx} \sin x = \cos x$$
  
 $\frac{d}{dx} \cos x = -\sin x$   
 $\frac{d}{dx} e^{x} = e^{x}$ 

Therefore:  

$$Sin(x) = x - \frac{x^3}{3!} + \frac{x^5}{5!} - \frac{x^7}{7!} + \dots$$

$$\cos(x) = \left[ -\frac{x^2}{2!} + \frac{x^4}{4!} - \frac{x^6}{6!} + \cdots \right]$$

$$e^{x} = 1 + x + \frac{x^{2}}{2!} + \frac{x^{3}}{3!} + \frac{x^{4}}{4!} + \cdots$$

eis by MacLauria is:

$$e^{i\theta} = 1 + i\phi - \frac{\theta^{2}}{2!} - \frac{i\theta^{3}}{3!} + \frac{\theta^{4}}{4!} + \frac{i\theta^{5}}{5!} - \frac{\theta^{6}}{6!} - \frac{i\theta^{2}}{7!} + \dots$$

$$= \left(1 - \frac{\theta^{2}}{2!} + \frac{\theta^{4}}{4!} - \frac{\theta^{6}}{6!} + \dots\right) + i\left(\phi - \frac{\theta^{3}}{3!} + \frac{\theta^{5}}{5!} - \frac{\theta^{7}}{7!} + \dots\right)$$

$$= \cos \phi + i\sin \phi$$

$$\mathcal{B}(v) = \int_{-\infty}^{\infty} b(x) e^{-i2\pi vx} dx$$

$$= \int_{-\frac{1}{2}}^{\frac{1}{2}} e^{-i2\pi vx} dx$$

$$= \frac{1}{-i2\pi v} e^{-i2\pi vx} \begin{vmatrix} \frac{1}{2} \\ -\frac{1}{2} \end{vmatrix}$$

$$= \frac{1}{-i2\pi v} \left( e^{-i\pi v} - e^{i\pi v} \right)$$

$$B(v) = \frac{1}{-i2\pi\nu} \left(\cos \pi v - i\sin \pi v - \cos \pi v - i\sin \pi v\right)$$

$$= \frac{\sin \pi v}{\pi v}$$

$$= \frac{1}{\pi v} \left(\cos \pi v - i\sin \pi v - \cos \pi v - i\sin \pi v\right)$$

$$= \frac{\sin \pi v}{\pi v}$$

$$= \frac{1}{\pi v} \left(\cos \pi v - i\sin \pi v\right)$$

$$= \frac{\sin \pi v}{\pi v}$$

$$= \frac{1}{\pi v} \left(\cos \pi v - i\sin \pi v\right)$$

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$$= \frac{\sin \pi v}{\pi v}$$

$$= \frac{1}{\pi v} \left(\cos \pi v - i\sin \pi v\right)$$

$$= \frac{1}{\pi v} \left(\cos \pi v - i\sin \pi v\right)$$

$$= \frac{1}{\pi v} \left(\cos \pi v\right)$$

$$=$$

then 
$$T(\mathbf{y}) = B(\mathbf{x}) * B(\mathbf{y})$$
  

$$= B(\mathbf{y}) \times B(\mathbf{y}) \times B(\mathbf{y})$$

$$= \frac{\sin^2 \pi y}{(\pi y)^2}$$