



$$= A \cdot 2 \cdot \sin \left(w t - kx - \theta_1 + w t - kx - \theta_2 \right) \cdot \cos \left(w t - kx - \theta_4 - w t + kx + \theta_2 \right)$$

$$= A \cdot 2 \cdot \sin \left(2w t - 2kx - \phi_1 - \phi_2 \right) \cdot \cos \left(\frac{\theta_2 - \phi_1}{2} \right)$$

$$= 2 \cdot A \cdot \cos \left(\frac{\phi_2 - \phi_1}{2}\right) \cdot \sin \left(wt - \frac{1}{2}X - \frac{\alpha_1 + \alpha_2}{2}\right)$$

$$= 2 \cdot \pi^2 \cdot f^2 \cdot \left[2 \cdot A \cdot \cos \left(\frac{\phi_2 - \phi_1}{2}\right)\right]^2 \cdot \sqrt{F} \cdot \mu$$

 $= 2 \cdot \pi^{2} \cdot 50^{2} \cdot \left[2 \cdot 0.03 \cdot \cos \left(\frac{130^{\circ}}{2} \right) \right]^{2} \cdot \sqrt{50 \cdot 0.1}$

= 70.95 W

= sind+sin B= 2' sin (d+B) cos (2-B)