$$\widetilde{E}_{Y} = \widetilde{E}_{oT} \left(\stackrel{ik.Y}{e}^{ik.Y} + p \stackrel{ik.Y}{e}^{ik.Y} \right) \stackrel{iiut}{e} = \widetilde{E}_{oT} \left(\stackrel{ik.Y}{e}^{ik.Y} - ut \right) + p \stackrel{ii.Y}{e}^{ik.Y} + ut \right)$$

$$\widetilde{E}_{Y} = \widetilde{E}_{oT} \left(\stackrel{ik.Y}{e}^{ik.Y} + p \stackrel{iii.Y}{e}^{ik.Y} \right) \stackrel{iiut}{e} = \widetilde{E}_{oT} \left(\stackrel{ik.Y}{e}^{ik.Y} - ut \right) + p \stackrel{ii.Y}{e}^{ik.Y} + ut \right)$$

$$= \underbrace{E_{oT} \left(cos(kx - ut) + p eo_{T}(cos(kx + ut)) \right)}_{= cos(ut + kx)}$$

$$= \underbrace{A cos(ut + \theta_{a}) + b cos(ut + \theta_{b})}_{= a cos(ut + \theta_{a}) + b cos(ut + \theta_{b})}$$

$$= \underbrace{A cos(ut + \theta_{a}) + b cos(ut + \theta_{b})}_{= a cos(ut + \theta_{a}) + b cos(ut + \theta_{b})}$$

$$= \underbrace{A cos(ut + \theta_{a}) + b cos(ut + \theta_{b})}_{= a cos(ut + \theta_{a}) + b cos(\theta_{a} - \theta_{b})}$$

$$= \underbrace{A cos(ut + \theta_{a}) + b cos(\theta_{a} - \theta_{b})}_{= a cos(ut + \theta_{a})}$$

$$= \underbrace{A cos(ut + \theta_{a}) + b cos(\theta_{a} - \theta_{b})}_{= a cos(ut + \theta_{a})}$$

$$= \underbrace{A cos(ut + \theta_{a}) + b cos(\theta_{a} - \theta_{b})}_{= a cos(ut + \theta_{a})}$$

$$= \underbrace{A cos(ut + \theta_{a}) + b cos(ut + \theta_{b})}_{= a cos(ut + \theta_{a})}$$

$$= \underbrace{A cos(ut + \theta_{a}) + b cos(ut + \theta_{b})}_{= a cos(ut + \theta_{a})}$$

$$= \underbrace{A cos(ut + \theta_{a}) + b cos(ut + \theta_{b})}_{= a cos(ut + \theta_{b})}$$

$$= \underbrace{A cos(ut + \theta_{a}) + b cos(ut + \theta_{b})}_{= a cos(ut + \theta_{b})}$$

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$$= \underbrace{A cos(ut + \theta_{a}) + b cos(ut + \theta_{b})}_{= a cos(ut + \theta_{b})}$$

$$= \underbrace{A cos(ut + \theta_{a}) + b cos(ut + \theta_{b})}_{= a cos(ut + \theta_{b})}$$

$$= \underbrace{A cos(ut + \theta_{a}) + b cos(ut + \theta_{b})}_{= a cos(ut + \theta_{b})}$$

$$= \underbrace{A cos(ut + \theta_{a}) + b cos(ut + \theta_{b})}_{= a cos(ut + \theta_{b})}$$

$$= \underbrace{A cos(ut + \theta_{a}) + b cos(ut + \theta_{b})}_{= a cos(ut + \theta_{b})}$$

$$= \underbrace{A cos(ut + \theta_{b}) + b cos(ut + \theta_{b})}_{= a cos(ut + \theta_{b})}$$

C2 = a2 + b2 + 2 a b Cos(Ga-Gb)

tand = asine a + b sin Bb

a cos Ba + b cos Bb

$$C^{2} = E_{o_{x}}^{2} + \rho^{2} E_{o_{x}}^{2} + 2\rho E_{o_{x}}^{2} cos(-\kappa_{1} + \kappa_{2} + \kappa_{2} + \kappa_{1} + \kappa_{2})$$

$$C^{2} = E_{o_{x}}^{2} \left(1 + \rho^{2} + 2\rho \cos(2\kappa_{1} + \kappa_{1}) \right)$$

$$C = E_{o_{x}} \left(1 + \rho^{2} + 2\rho \cos(2\kappa_{1} + \kappa_{1}) \right)$$

$$tan \phi = \frac{E/I}{E/J} \frac{Sin(-161x+12)}{Cos(-161x+12)} + p \frac{E/J}{E/J} \frac{Sin(161x+12)}{E/J}$$

$$= \frac{cos(161x+12)}{Sin(161x)} + p \frac{cos(161x+12)}{Sin(161x)} = \frac{cos(161x+12)}{Sin(161x)} = \frac{cos(161x+12)}{Sin(161x)}$$

$$= \frac{cos(161x+12)}{Sin(161x)} + p \frac{cos(161x+12)}{I-p}$$

$$= \frac{cos(161x+12)}{I-p} = \frac{cos(161x+12)}{I-p}$$

$$= \frac{cos(161x+12)}{I-p} = \frac{cos(161x+12)}{I-p}$$

$$= cos(161x+12) + p \frac{cos(161x+12)}{I-p}$$

$$= \frac{cos(161x+12)}{I-p} = \frac{cos(161x+1$$