:
$$cos 6 = \frac{e^{+j6} + e^{-j6}}{2}$$
; $sin 8 = \frac{e^{+j6} - e^{-j6}}{2j}$

$$A_{\kappa} \cos \kappa R_{\text{ot}} = A_{\kappa} \left[e^{+jt R_{\text{ot}}} e^{-jk R_{\text{ot}}} \right]$$

$$e^{-jk\Omega t}$$
: $\frac{A_k}{2}e^{-jk\Omega t} - \frac{B_{11}}{2j}e^{-jk\Omega t}$

$$= e^{+jkDet} \left(\frac{A_{R}}{2} + \frac{B_{R}}{2j} \right) = e^{-jkDet} \left(\frac{A_{R}}{2} - \frac{B_{R}}{2j} \right)$$

$$= e^{+jkDet} \left(\frac{A_{R}}{2} - \frac{jB_{R}}{2} \right) = e^{+jkDet} \left(\frac{A_{R}}{2} + \frac{jB_{R}}{2} \right)$$

$$= e^{+jkDet} \left(\frac{A_{R}}{2} - \frac{jB_{R}}{2} \right) = e^{+jkDet} \left(\frac{A_{R}}{2} + \frac{jB_{R}}{2} \right)$$

$$C_{k} = \frac{A_{k}}{2} - \frac{jB_{k}}{2}$$

$$C_{k} = \frac{A_{k}}{2} - \frac{jB_{k}}{2}$$

Exponential Coeff to Trigo Coeff relationships.