



$$|r|t| = |r_{p}(t)| + |r_{c}(t)|$$

$$|r|t| = |c_{1}|^{2} e^{wt} + |c_{2}|^{2} e^{wt} + |\frac{1}{2}|^{2} \sin(wt)|$$

$$|r|t| = |c_{1}|^{2} e^{wt} + |c_{2}|^{2} e^{wt} + |\frac{1}{2}|^{2} \cos(wt)|$$

$$|r|t| = |c_{1}|^{2} e^{wt} - |c_{2}|^{2} e^{wt} + |\frac{1}{2}|^{2} \cos(wt)|$$

$$|r|t| = |c_{1}|^{2} e^{wt} - |c_{2}|^{2} e^{wt} + |\frac{1}{2}|^{2} e^{wt}|$$

$$|r|t| = |c_{1}|^{2} e^{wt} - |c_{2}|^{2} e^{wt}|$$

$$|c_{2}|^{2} = |c_{1}|^{2} + |c_{2}|^{2} + |c_{2}|^{2$$