$$z = \frac{Z}{Z_0}$$

$$y = \frac{1}{z} = YZ_0$$

$$T = l/u \quad \text{[s]}$$

$$\Gamma_{_G} = \frac{Z_g - Z_0}{Z_g + Z_0}$$

$$V_1^+ = \frac{Z_0}{Z_g + Z_0} V_g \quad \text{[V]}$$

$$V_\infty = \frac{Z_L}{Z_g + Z_L} V_g \quad \text{[V]}$$

$$V_1^- = \Gamma_L V_1^+ \quad \text{[V]}$$

$$V_2^+ = \Gamma_G \Gamma_L V_1^+ \quad \text{[V]}$$

$$V_2^- = \Gamma_L \Gamma_G \Gamma_L V_1^+ \quad \text{[V] (and so on)}$$

$$|\mathbf{A}| = A = \sqrt{A_x^2 + A_y^2 + A_z^2} \text{ (for example)}$$

$$\widehat{\mathbf{a}}_A = \frac{\mathbf{A}}{|\mathbf{A}|}$$

$$\mathbf{A}\cdot\mathbf{B} = |\mathbf{A}||\mathbf{B}| \cos\theta_{AB}$$

$$\mathbf{A}\cdot\mathbf{B} = A_x B_x + A_y B_y + A_z B_z \text{ (for example)}$$

$$\mathbf{A} \times \mathbf{B} = |\mathbf{A}||\mathbf{B}| \sin\theta_{AB} \widehat{\mathbf{a}}_n$$

$$A_B = \mathbf{A}\cdot\widehat{\mathbf{a}}_B = \frac{\mathbf{A}\cdot\mathbf{B}}{|\mathbf{B}|}$$

$$\mathbf{A}_B = A_B \widehat{\mathbf{a}}_B$$

$$\sin^2\theta + \cos^2\theta = 1$$

$$\nabla \times (\nabla V) = 0$$

$$\nabla\cdot(\nabla \times \mathbf{A}) = 0$$

$$\oint_S \mathbf{A}\cdot\mathbf{dS} = \int_v (\nabla\cdot\mathbf{A})\, dv$$

$$\oint_L \mathbf{A}\cdot\mathbf{dl} = \int_S (\nabla \times \mathbf{A})\cdot\mathbf{dS}$$