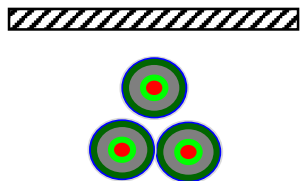
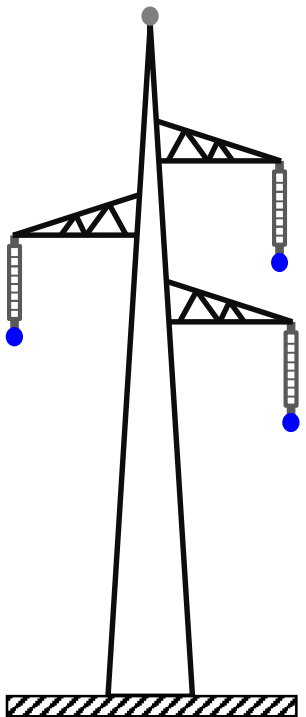


Geometry of the OHL / cable, material characteristics + environmental conditions



Determination of the phase impedance and admittance matrix

$$\begin{matrix} R_{11} & R_{12} & \dots & R_{1n} \\ R_{21} & R_{22} & \dots & R_{2n} \\ \dots & & & \\ R_{n1} & R_{n2} & \dots & R_{nn} \end{matrix}$$

$R_{ij}$

$$\begin{matrix} L_{11} & L_{12} & \dots & L_{1n} \\ L_{21} & L_{22} & \dots & L_{2n} \\ \dots & & & \\ L_{n1} & L_{n2} & \dots & L_{nn} \end{matrix}$$

$L_{ij}$

$$\begin{matrix} C_{11} & C_{12} & \dots & C_{1n} \\ C_{21} & C_{22} & \dots & C_{2n} \\ \dots & & & \\ C_{n1} & C_{n2} & \dots & C_{nn} \end{matrix}$$

$C_{ij}$

$$\begin{matrix} G_{11} & G_{12} & \dots & G_{1n} \\ G_{21} & G_{22} & \dots & G_{2n} \\ \dots & & & \\ G_{n1} & G_{n2} & \dots & G_{nn} \end{matrix}$$

$G_{ij}$

Available EMT Line Model

Lumped PI Model

Constant Frequency Distributed Line Model

Frequency Dependent Distributed Line (Mode) Model

Frequency Dependent Distributed Line (Phase) Model