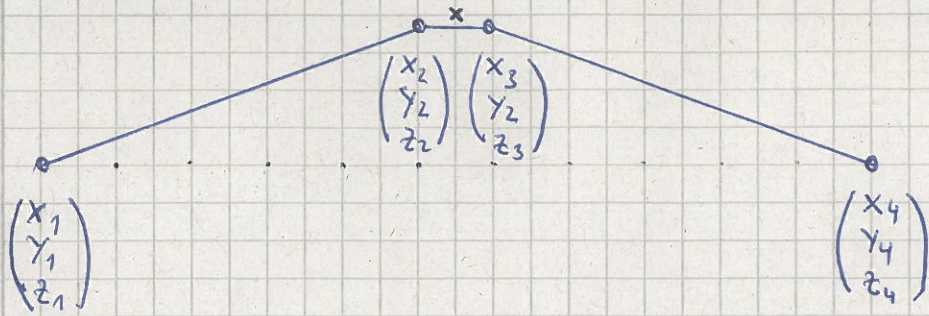


Inverted V:



Simulation: Antenna Height 12m, $l=20m$

$$\text{Wire I} = \begin{pmatrix} 0 \\ 0 \\ 12 \end{pmatrix} + \frac{20}{21} \times \begin{pmatrix} -20.08 \\ 6.14 \\ 0 \end{pmatrix} = \begin{pmatrix} -19.12 \\ 5.85 \\ 12 \end{pmatrix} = \begin{pmatrix} x_1 \\ y_1 \\ z_1 \end{pmatrix}$$

$$\text{Wire II} = \begin{pmatrix} 0 \\ 0 \\ 12 \end{pmatrix} + \frac{20}{25} \times \begin{pmatrix} 18.28 \\ -17.05 \\ 0 \end{pmatrix} = \begin{pmatrix} 14.62 \\ -13.64 \\ 12 \end{pmatrix} = \begin{pmatrix} x_4 \\ y_4 \\ z_4 \end{pmatrix}$$

$$\begin{pmatrix} x_2 \\ y_2 \\ z_2 \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \\ 12 \end{pmatrix} + \frac{0.5}{21} \times \begin{pmatrix} -20.08 \\ 6.14 \\ 0 \end{pmatrix} = \begin{pmatrix} -0.48 \\ 0.15 \\ 12 \end{pmatrix}$$

$$\begin{pmatrix} x_3 \\ y_3 \\ z_3 \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \\ 12 \end{pmatrix} + \frac{0.5}{20} \times \begin{pmatrix} 18.28 \\ -17.05 \\ 0 \end{pmatrix} = \begin{pmatrix} 0.46 \\ -0.43 \\ 12 \end{pmatrix}$$