

The result of parabola equation:

Matrix equation is =

$$\begin{bmatrix} 1 & 1 & 1 \\ 4 & -2 & 1 \\ 0 & 0 & 1 \end{bmatrix}$$

$$\begin{bmatrix} 0 \\ 21 \\ 1 \end{bmatrix}$$

The augmented matrix is =

$$\begin{bmatrix} 1 & 1 & 1 & 0 \\ 4 & -2 & 1 & 21 \\ 0 & 0 & 1 & 1 \end{bmatrix}$$

The transformed upper triangular augmented matrix C is =

$$\begin{bmatrix} 1 & 1 & 1 & 0 \\ 0 & -6 & -3 & 21 \\ 0 & 0 & 1 & 1 \end{bmatrix}$$

The vector solution is =

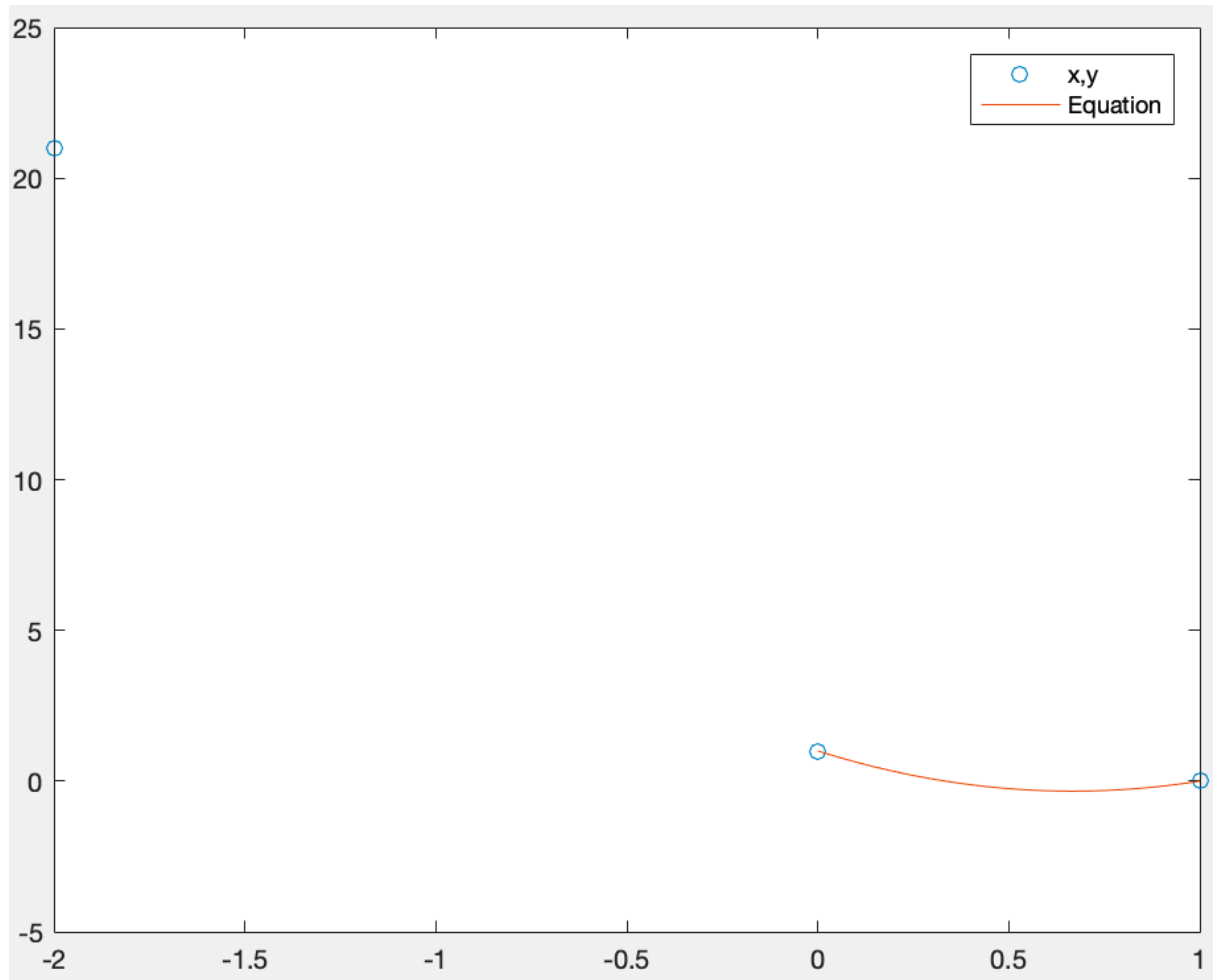
$$\begin{bmatrix} 3 \\ -4 \\ 1 \end{bmatrix}$$

The parabola equation solution is =

$$a_1 = 3$$

$$a_2 = -4$$

$$a_3 = 1$$



The Parabola Result