

Notes 2019-09-19

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September 19, 2019

1 Augmented Matrix

$$A\vec{x} = \vec{y}$$

$$\begin{bmatrix} 3 & 2 & -1 & 1 \\ 2 & 0 & -1 & 2 \\ 3 & 1 & 2 & 5 \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \\ x_3 \\ x_4 \end{bmatrix} = \begin{bmatrix} 1 \\ 0 \\ 2 \end{bmatrix}$$

Figure 1: $A\vec{x} = \vec{y}$