

Systems of Linear Equations in Three Dimensions

Part 1 GUI:

Due Friday 11:59 PM

You are to put together a windows GUI to take in the equations of three planes

The GUI window is titled "tk" and contains the following elements:

- Three rows of input fields for coefficients a , b , c , and d , each followed by a constant term.
- A "process" button.
- A text area for the output solution.

The equations are displayed as follows:

$$\begin{aligned} a_1 X + b_1 Y + c_1 Z + d_1 &= 0 \\ a_2 X + b_2 Y + c_2 Z + d_2 &= 0 \\ a_3 X + b_3 Y + c_3 Z + d_3 &= 0 \end{aligned}$$

The output area is labeled "output soln here".

10 marks