1 Day Quiz

Numerical Analysis by Maqsood Alam

Submit by 11:59:59PM 09/12/2021

Q1:- Solve the following linear system

$$2x + y + z = 5$$
$$3x + 5y + 2z = 15$$
$$2x + y + 4z = 8$$

a) Using Jacobi method.
b) Using Guass-Seidal Method

Q2:- Solve the following linear system using relaxation method.

$$x + 5y - 3z = 18$$
$$-2x + 2y + 7z = 19$$
$$9x - 2y + z = 50$$

Q3:- Solve the following linear system using doolittle's Decomposition.

$$x + y + z = 7$$
$$x + 2y + 2z = 13$$
$$x + 3y + z = 13$$

Submission link: https://forms.gle/TeneqFcNQyPazJn49