

Exam Computer Assisted Mathematics

E2 P1 19.05.2020

Solve using two methods the following system (the methods must be *matrix inversion method* and *Gauss-Seidel method*):

$$\begin{cases} x_1 + 4x_2 + 6x_3 = 4, \\ 5x_1 + x_2 + x_3 = 10, \\ x_1 + 10x_2 + x_3 = -7. \end{cases}$$

Compare and discuss the obtained results.