

Exercises

23.33 [1SY] Prerequisites: [1MN], [1MK], Sec. [2D8]. Difficulty: *.

Given matrixes $A, B, C \in \mathbb{C}^{n \times n}$, solve the ODE

$$X' = AX + XB, X(0) = C,$$

where $X : \mathbb{R} \rightarrow \mathbb{C}^{n \times n}$

Solution 1. [1SZ]

[[1T0]]