

Kolokwium II

2023-02-02

1. $y^{iv} - y'' = 12t - 6$
2. $y'' + 4y = 10e^{-t} - 8e^{-2t}$, $y(0) = 0$, $y'(0) = 6$
3. $y'' - 2y' + 2y = 2e^t \cos t$, $y(0) = y'(0) = 0$
4. $t^2 y'' - ty' + y = 6t \ln t$
5. $t^3 y''' + 2t^2 y'' - ty' + y = 0$
6. $\mathbb{Y}' = A\mathbb{Y}$, gdzie $A = \begin{bmatrix} 7 & 1 \\ -4 & 3 \end{bmatrix}$