

Differential Equations – Homework 28

Professor:

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Directions: Do the following book problems

NOTE: In the 3rd edition of the book this is chapter 5.4 - Multiple Eigenvalue Solutions.

Section 5.5 problems: 1, 3, 5, 7, 13, 15

Other Notes:

1. The most common errors are algebra computation errors, overall the eigenvalue method is straightforward but computationally intense. Please go slow and double check each calculation as you go.
2. I am fine with you checking your work using Symbolab or Python. However, please make sure you can also do the problems by hand. The quiz will be no larger than a 2×2 system.