

Goal and idea - Module 14

GOAL:

In the last module, we learned how to solve *nonhomogeneous* linear differential equations with constant coefficients where the nonhomogeneous piece had a certain form. In this module we

- develop another technique for solving nonhomogeneous linear differential equations which solves some cases not covered in the previous module (but also does not cover some of those cases).

One advantage of this method is that it does not necessary require the differential equation to have constant coefficients.

IDEA:

We write the differential equation in standard form, utilize a formula for two new variables, and then integrate these.