

Goal and idea - Module 10

GOAL:

We look to extend our knowledge of fundamental sets of solutions for homogeneous DEs to that of nonhomogeneous DEs. This involves:

- Learning how the underlying homogeneous DE plays a role;
- As well a particular solution for the nonhomogeneous DE.

IDEA:

By first finding the fundamental set of solutions for the underlying homogeneous and combining this with a particular solution for the nonhomogeneous DE, we are able to construct a fundamental set of solutions for a nonhomogeneous DE.