

A “Variation” on Variation of Parameters

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Abstract

When the well-known Variation of Parameters method of solving nonhomogeneous linear ODEs is discussed in an elementary ODE class it is presented with the assumption that the student has no prior knowledge of linear algebra. However, many students who take an ODE class have already had (or are concurrently enrolled) in an elementary linear algebra class. In this paper, we look at the Variation of Parameters method using some linear algebra techniques.



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