

# Techniques for solving 2<sup>nd</sup> or higher order linear ODEs

Technique	Used to find solutions of homogeneous or non-homogeneous DEs (or both)? (If non-homogeneous, any constraints on forcing term ?)	Used to find solutions of constant or variable coefficients DEs (or both) ? (If variable coefficients, any constraints on coefficients ?)	What information must you know before using the method ?
Superposition 4.1			
Reduction of Order 4.2			
Characteristic Polynomial 4.3			
Undetermined Coefficients 4.4			
Variation of Parameters 4.6			
Indicial Equation 4.7			