

case for understanding computer codes functions and to give the student an engineering feeling at the same time. These methods include the force method, the slope deflection method and the displacement method and some of their variants. Active knowledge and skills are obtained in order to cover the main topics of experience mentioned above. The material includes lectures containing

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The distinction between statically indeterminate structures can be summarized:  
• If the number of unknowns is less than the number of equations, there is no unique solution.  
• If the number of unknowns is greater than the number of equations, there is a unique solution.  
• If the number of unknowns is equal to the number of equations, there is a unique solution if the system is consistent.

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## 1 Scope and mission

The notes are focused on traditional elementary methods of structural mechanics and exclusively, 'manual' solutions. Experience in using these methods is believed to provide a sound