

Figure 10.1  
Influence coefficients.

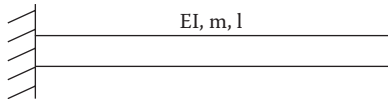


Figure 10.2  
Galerkin's method.

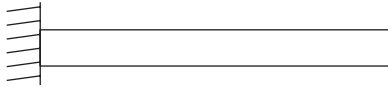


Figure 10.3  
The Rayleigh Ritz method.

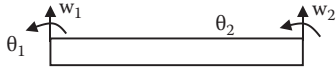


Figure 10.4  
Finite element.

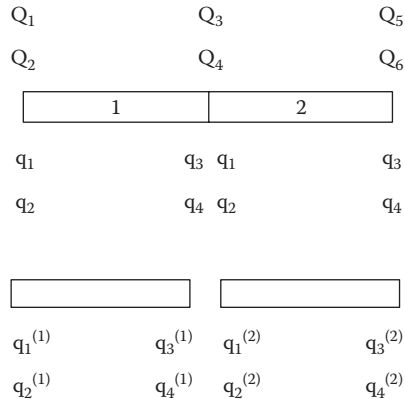


Figure 10.5  
Assembly of finite elements.

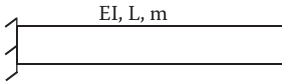


Figure 10.6  
Cantilever beam.



Figure 10.7  
A two-element beam.

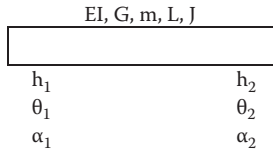


Figure 10.8  
Beam-rod model.



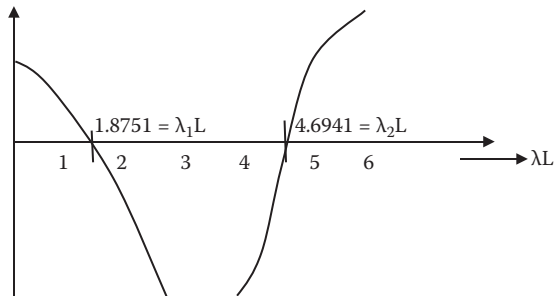


Figure 10.9  
Eigenvalues of a cantilever beam.

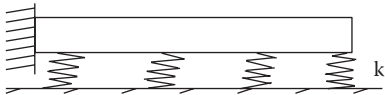


Figure 10.10  
Beam on elastic foundation.

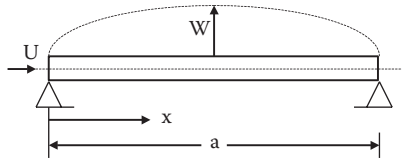


Figure 10.11  
Fluid flow through flexible pipe.

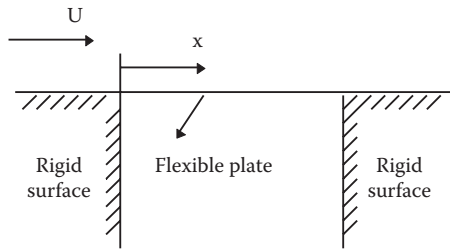


Figure 10.12  
Flutter of a flexible plate with fluid flow.

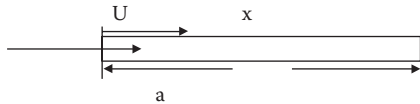


Figure 10.13  
Flutter of flexible pipe with fluid flow.

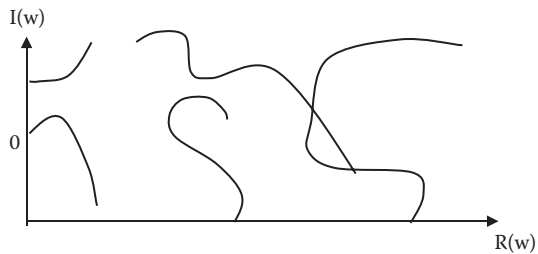


Figure 10.14  
Conditions for flutter.

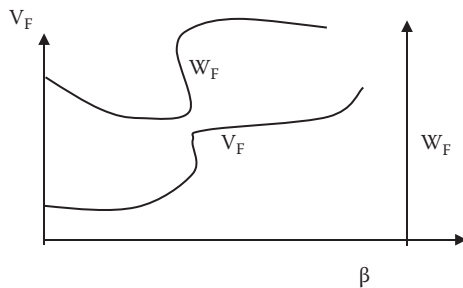


Figure 10.15  
Stability boundaries.

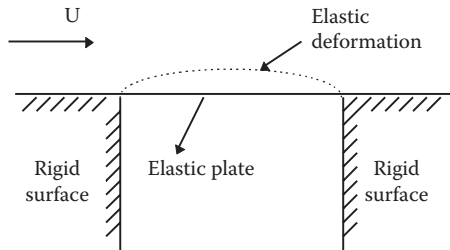


Figure 10.16  
Flutter of a flexible plate with fluid flow.



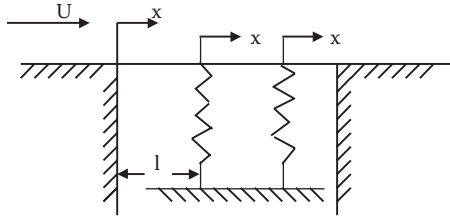


Figure 10.17  
Fluid flow over spring-supported plate.

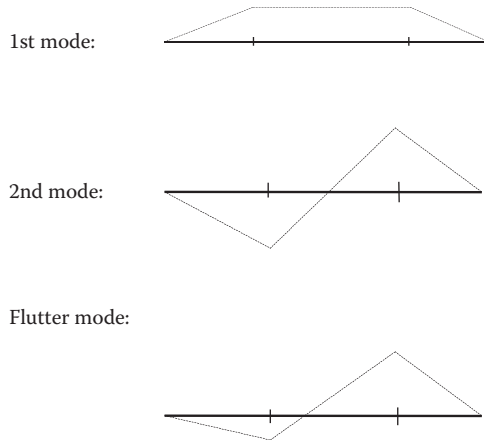


Figure 10.18  
Flutter modes.

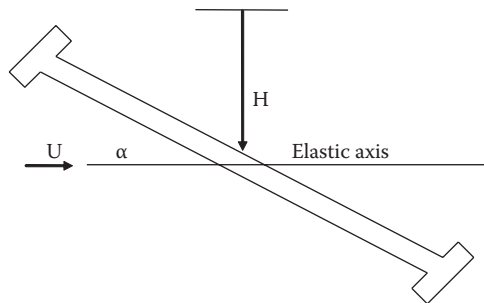


Figure 10.19  
Bridge buffeting.