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Figure 1.4 (a) Two- and (b) three-degree-of-freedom systems. On the other hand, in a continuous system, the mass, elasticity (or flexibility), and damping are distributed throughout the system. During vibration, each of the infinite number of point masses moves relative to each other point mass in a continuous fash- ion.

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limited use in practice. Nevertheless, the analysis as continuous systems of some generic models of structures provides very useful information of the overall dynamic behaviour of structures. The method of analysis of continuous system is illustrated with examples of torsional, axial and bending vibration of beams.

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