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3.2.3. Element matrices in global reference form 3.2.4. Assembly of element matrices; 3.2.5. Linear constraints between DOF; 3.2.5.1. Introduction; 3.2.5.2. DOF elimination; 3.2.5.3. DOF introduction; 3.2.6. Excitation forces; 3.3. The finite element method; 3.3.1. Introduction; 3.3.2. The rod element; 3.3.3. Beam finite element in bending; 3.3.4. The complete beam finite element; 3.3.5. Excitation forces; 3.4. Industrial models; 3.4.1. Introduction; 3.4.2. The element types; 3.4.3. Linear constraints; 3.4.4. DOF management; 3.4.5. Rules for modeling and verification of the model  
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5.1. Introduction

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## Sommario/riassunto

Structural Dynamics in Industry focuses on the behavior of structures subjected to a vibrational or shock environment. It takes a systematic approach to the basic concepts in order to enhance the reader's understanding and to allow industrial structures to be covered with the necessary degree of depth. The developments are explained with a minimum of mathematics and are frequently illustrated with simple examples, while numerous industry case studies are also provided.

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