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   Sommario/riassunto   Engineering practice requires the use of structures containing identical
                        components or parts, useful from several points of view: less
                        information is needed to describe the system, design is made quicker
                        and easier, components are made faster than a complex assembly, and
                        finally the time to achieve the structure and the cost of manufacturing
                        decreases. Additionally, the subsequent maintenance of the system
                        becomes easier and cheaper. This Special Issue is dedicated to this kind
                        of mechanical structure, describing the properties and methods of
                        analysis of these structures. Discrete or continuous structures in static
                        and dynamic cases are considered. Theoretical models, mathematical
                        methods, and numerical analyses of the systems, such as the finite
                        element method and experimental methods, are expected to be used in
                        the research. Machine building, automotive, aerospace, and civil
                        engineering are the main areas in which such applications appear, but
                        they are found in most engineering fields.