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Sommario/riassunto

This book focuses on computational methods to determine the
 dynamics of large-scale electromagnetic, acoustic, and mechanical
 systems, including those with many substructures and characterized by
 an extended range of scales. Examples include large naval and
 maritime vessels, aerospace vehicles, and densely packed
 microelectronic and optical integrated circuits (VLSI). The interplay of
 time and frequency-domain computational and experimental
 procedures was addressed, emphasizing their relationship and synergy,
 and indicating mathematics research opportunities.
