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Kelly is also the author of System Dynamics and Response, Advanced Vibration Analysis, Advanced Engineering Mathematics with Modeling Applications, Fundamentals of Mechanical Vibrations (First and Second Editions) and Schaum's Outline in Theory and Problems in Mechanical Vibrations.

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Associate Technical Editor: A. A. Ferri. Discussion on the paper should be addressed to the Technical Editor, Professor Lewis T. Wheeler, Department of Mechanical Engineering, University of Houston, Houston, TX 77204-4792, and will be accepted until four months after final publication of the paper itself in the ASME JOURNAL OF APPLIED MECHANICS.

[S. GRAHAM KELLY](#)

Mechanical vibrations and electrical dynamics were presented in Section 2.3. In this section were further present

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the synthesis of the mechanical vibration and electrical dynamics, as shown in Figure 3.17. T_{em} denotes the inverse piezoelectricity, in which the electrical energy is transformed to mechanical motion. The deduced force F drives the piezoelectric actuator to exhibit displacement x .

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