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~~Section 1 FUNDAMENTALS OF NOISE, VIBRATION, AND HARSHNESS~~

FUNDAMENTALS OF ACOUSTICS, NOISE, AND VIBRATION. Malcolm J. Crocker. Department of Mechanical Engineering Auburn University Auburn, Alabama  
1 INTRODUCTION. The vibrations in machines and structures result in oscillatory motion that propagates in air and/or water and that is known as sound. Sound can also be produced by the oscillatory motion of the fluid itself, such as in the case of the turbulent mixing of a jet with the atmosphere, in which no vibrating structure is involved.

~~CHAPTER 1 FUNDAMENTALS OF ACOUSTICS, NOISE, AND VIBRATION~~

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4 CHAPTER 1 FUNDAMENTALS OF VIBRATION 1 2 3 String Weight FIGURE 1.2

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Monochord. conducted experiments on a vibrating string by using a simple apparatus called a mono-chord. In the monochord shown in Fig. 1.2 the wooden bridges labeled 1 and 3 are fixed.

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