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Vibrations
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 Vibration can be desirable: for example, the motion of a tuning fork, the reed in a woodwind instrument or harmonica, a mobile phone, or the cone of a loudspeaker. In many cases, however, vibration is ...
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 Although any system can oscillate when it is forced to do so externally, the term "vibration" in mechanical engineering is often reserved for systems that can oscillate freely without applied forces. Sometimes these vibrations cause minor or serious performance or safety problems in engineered systems.
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