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Engineering physics or engineering science refers to the study of the combined disciplines of physics, mathematics and engineering, particularly computer, nuclear, electrical, electronic, materials or mechanical engineering. By focusing on the scientific method as a rigorous basis, it seeks ways to apply, design, and develop new solutions in engineering.

Engineering physics - Wikipedia

The sound of a violin is the result of interactions between its many parts. Drawing a bow across the strings causes the strings to vibrate. This vibration is transmitted through the bridge and sound post to the body of the violin, which allows the sound to effectively radiate into the surrounding air.

Basic physics of the violin - Wikipedia

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Enrico Rubiola arXiv:physics/0608211v1 [physics.ins-det]

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