

CHAPTER OVERVIEW

6: Complex Waves

Just as complex numbers provide a convenient way to study oscillations, they can also be employed to model wave motion. In physics, complex numbers are commonly used in the study of electromagnetic (light) waves, sound waves, and other kinds of waves.

[6.1: The Wave Equation](#)

[6.2: Real Solutions to the Wave Equation](#)

[6.3: Complex Solutions to the Wave Equation](#)

[6.4: Waves in 3D Space](#)

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