

Len Tyler

Reserve Books (Terman Library)

1. Achenback, J. D., *Wave Propagation in Elastic Solids*, North-Holland (1973). Detailed treatment of elastic waves and boundary conditions.
2. Bascom, W., *Waves and Beaches*, Doubleday (1980). Enjoyable account of surface gravity waves on the sea; largely non-technical. Important for surfers.
3. Coulson, C. A., and A. Jeffery, *Waves: A mathematical approach...*, 2nd. ed., Longman (1977). Provides detailed analysis of elastic waves.
4. Ingard, K.U., *Fundamentals of Waves and Oscillations*, Cambridge University Press (1990). Readable treatment of elastic waves.
5. Georgi, H., *The Physics of Waves*, Prentice-Hall (1993). Mezzanine level physics text with modern treatment of important examples.
6. Lighthill, J., *Waves in Fluids*, Cambridge (1978). Classic treatment of the subject.
7. Pain, H. J. *The Physics of Vibrations and Waves*, 5th (1999) or 6th (2005) ed., Wiley. Well developed introductory text. Provides nice explanations of basics for many topics addressed in EE241. Also has additional materials on closely related subjects.
8. Ramo, S., J. R. Whinnery, and T. Van Duzer, *Fields and Waves in Communication Electronics*, 2nd ed., Wiley (1984). Essentially the same as the required text; lacks some updated sections.
9. Tolstoy, Ivan, *Wave Propagation*, McGraw-Hill Inc., (1973). Comprehensive and unified treatment of a broad range of wave types.