

PHYSICS 190 BIBLIOGRAPHY

Text Books

Hewitt, P.; Conceptual Physics

(Great for concepts; no math!; Physics 110 text)

Cuttnel, .; College Physics

(Good introduction for basic problems; Physics 120 text)

Miller, .; College Physics

(Good introduction for basic problems; Physics 120 text)

Halliday, D.; Fundamentals of Physics

(Same level as our text)

Young, H.; University Physics

(Same level as our text)

Goodstein, D.; Mechanical Universe, advanced edition

(Same level as our text; excellent)

Hecth, E.; Physics

(Slightly lower level than our text; good for problem solving and concepts)

Lerner, L.; Physics

(Same level as our text; interesting)

Pasachoff, J.; Physics

(Same level as our text)

Kittel, C.; Mechanics

(Volume 1 of Berkeley series; slightly higher level than our text)

French, A.; Newtonian Mechanics

(Slightly higher level than our text; great insights)

Feynman, R.; Feynman Lectures on Physics, Vol 1

(Slightly higher level than our text; very unique approach)

Just for Fun

Adair, R.; The Physics of Baseball

Alvarez, W.; T. Rex and the Crater of Doom

Asimov, I.; A Short History of Chemistry

Brancazio, P.; Sport Science

Cole, K.; Sympathetic Vibrations: Reflections of Physics as a Way of Life

Commins, N.; What if the Moon Didn't Exist?

Ehrlich, R.; Nine Crazy Ideas in Science

Ehrlich, R.; Why Toast Lands Jelly-side Down

Emsley, J.; The 13th Element: The Sordid Tale of Murder, Fire, and Phosphorus

Einstein, A.; The Meaning of Relativity

Epstein, L.; Thinking Physics

Feynman, R.; QED

Feynman, R.; Surely You're Joking Mr. Feynman!

Florman, S.; The Existential Pleasures of Engineering

Gamov, G.; Mr. Tompkins in Wonderland

Gardner, M.; Aha! Insight

Gardner, M.; Fads and Fallacies in the Name of Science

Gleick, J.; Chaos
Gonick, L.; The Cartoon Guide to Physics
Greene, B.; The Elegant Universe
Guth, A.; The Inflationary Universe
Hawking, S.; A Brief History of Time
Hawking, S.; A Briefer History of Time
Hawking, S.; The Universe in a Nutshell
Krauss, L.; The Physics of Star Trek
Krauss, L.; Beyond Star Trek
Lewis, H.; Why Flip a Coin?
Livio, M.; The Accelerating Universe
Mc Cormmach, R.; Night Thoughts of a Classical Physicist
Mills, R.; Space, Time and Quanta
Morrison, P.; Powers of Ten
O'Neill, G.; The High Frontier
Petroski, H.; To Engineer is Human
Radner, D.; Science and Unreason
Rees, M.; Before the Beginning
Reid, T.; The Chip: How Two Americans Invented the Microchip and Launched a Revolution
Rogers, E.; Physics for the Inquiring Mind
Seife, C.; Zero: The Biography of a Dangerous Idea
Silk, J.; The Big Bang
Speilberg, N.; Seven Ideas That Shook the Universe
Stepp, R.; Making Theories to Explain the Weather
Tenner, E.; Why Things Bite Back
Thomas, L.; Late Night Thoughts on Listening to Mahler's Ninth Symphony
Walker, J.; The Flying Circus of Physics
Weinberg, S.; Dreams of a Final Theory
Weinberg, S.; The First Three Minutes