

## 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, F.; College Physics

(Good introduction for basic problems; Physics 120 text)

Hecth, E.; Physics

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

**Goodstein, D.; Mechanical Universe, advanced edition**

(Same level as our text; excellent)

Halliday, D.; Fundamentals of Physics

(Same level as our text)

Lerner, L.; Physics

(Same level as our text; interesting)

Pasachoff, J.; Physics

(Same level as our text)

Serway, R.; Physics for Scientists and Engineers

(Same level as our text)

Young, H.; University 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

**Aczel, A.; Entanglement**

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

Bronowski, J.; The Ascent of Man

**Carroll, S.; From Eternity to Here**

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

Collier, P.; A Most Incomprehensible Thing

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

**Crease, R.; The Great Equations**

Davies, P.; About Time

Dorner, D.; The Logic of Failure

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*  
**Fayer, M.; *Absolutely Small***  
**Feynman, R.; *QED***  
**Feynman, R.; *Surely You're Joking Mr. Feynman!***  
Filippenko, A.; *Understanding the Universe*  
Florman, S.; *The Existential Pleasures of Engineering*  
**Ford, K.; *The Quantum World***  
Fraser, G.; *Antimatter: The Ultimate Mirror*  
**Gamov, G.; *Mr. Tompkins in Wonderland***  
Gardner, M.; *Aha! Insight*  
Gardner, M.; *Fads and Fallacies in the Name of Science*  
Gell-Mann, M.; *The Quark and the Jaguar*  
Gingerich, O.; *God's Universe*  
Gleick, J.; *Chaos*  
Gonick, L.; *The Cartoon Guide to Physics*  
Gott, R.; *Time Travel in Einstein's Universe*  
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*  
**Lederman, L.; *Beyond the God Particle***  
Lewis, H.; *Why Flip a Coin?*  
**Lindley, D.; *Uncertainty***  
**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*  
Muller R.; *The Physics of Time*  
O'Neill, G.; *The High Frontier*  
**Penrose, R.; *A Road to Reality***  
**Petroski, H.; *To Engineer is Human***  
Radner, D.; *Science and Unreason*  
**Randall, L.; *Warped Passages***  
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***  
**Smolin, L.; *The Trouble with Physics***  
Smoot, G.; *Wrinkles in Time*  
Speilberg, N.; *Seven Ideas That Shook the Universe*  
Stepp, R.; *Making Theories to Explain the Weather*  
Susskind, L.; *Special Relativity and Classical Field Theory*  
Tenner, E.; *Why Things Bite Back*

Thomas, L.; Late Night Thoughts on Listening to Mahler's Ninth Symphony

Tyson, N.; Astrophysics for People in a Hurry

**Walker, J.; The Flying Circus of Physics**

Weinberg, S.; Dreams of a Final Theory

**Weinberg, S.; The First Three Minutes**

**Wheeler, J.; A Journey into Gravity and Spacetime**

Wheeler, J.; Geons, Blackholes and Quantum Foam

Woit, P.; Not Even Wrong