



Thermodynamics has been developed over a long period of time, accumulating the wisdoms and efforts of numerous genii.

Fundamental principles of natural phenomena are concentrated in thermodynamic laws.

"There is an unwritten axiom of thermodynamics which states that nobody understand thermodynamics the first time they study it." J.F. Bredt Thermodynamics is a funny subject. The first time you go through it, you don't understand it at all.

The second time you go through it, you think you understand it, except for one or two small points.

The third time you go through it, you know you don't understand it, but by that time you are so used to it, it doesn't bother you anymore.

-Arnold Sommerfeld

"I did not learn thermodynamics by reading the textbooks, but I learned it by thinking.

Thinking is the best way to conquer thermodynamics."

M. Hillert



- 1. D.R. Gaskell, "Introduction to the Thermodynamics of Materials", Third Edition, Taylor & Francis, 1995
- 2. R.T. DeHoff, "Thermodynamics in Materials Science", McGraw-Hill, 1993.
- 3. J.B. Fenn, "Engines, Energy, and Entropy", W.H. Freeman and Company, 1982
- 4. D. Kondepudi and I. Prigogine, Modern Thermodynamics, John Wiley & Sons (1998).
- 5. M. Hillert, Phase Equilibria, Phase Diagrams and Phase Transformations, Cambridge University Press (1998)
- 6. Various teaching materials related to thermodynamics from the internet





















