

Engineering Thermodynamics (II)

- Rankine cycle
 - Rankine cycle efficiency improvement
 - Brayton cycle and improving its efficiency
 - Compression and absorption refrigeration cycle
 - Otto and diesel cycle and improving their efficiency
 - Stirling and Ericsson cycle
 - Combined heat and power cycles
 - Ideal gas mixtures
 - Psychrometry and Adiabatic saturation process
 - Clapeyron and Maxwell relations
 - Compressibility factor in real gases
 - Combustion and enthalpy of formation
 - Adiabatic flame temperature and heat value
 - Compressible flow
 - Compressible flows in nozzles and diffuser
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