

What are the assumptions made in air standard cycle?

Plot the Diesel engine cycle on P-V and T-S diagram. Name the various process of the diesel cycle

Define mean effective pressure and comment its application in internal combustion engines?

What are the factors influencing the ideal Brayton cycle efficiency?

Define air standard cycle efficiency?

Define cut-off ratio.

Write any four differences between Otto and Diesel cycle?

Define mean effective pressure as applied to gas power cycles

What is thermodynamic cycle?

What is an air standard cycle/ why such cycles are used?

Define air standard efficiency.

What are the various types of gas power cycles?

Define compression ratio

Define mean effective pressure.

Draw the P-V and T-S diagram of Otto cycle and name the process involved.

Plot the Diesel engine cycle on P-V and T-S diagram. Name the various process of the diesel cycle

Sketch the dual cycle on p-V and T-S diagram. Name the various process of the dual cycle.

What is the effect of compression ratio on air standard efficiency of an ideal Otto cycle?

What is gas turbine?

Differentiate open and closed cycle gas turbine?

What is meant by steam (or) vapour power cycles?

Plot p-V and T-S and h-S diagram of Rankine cycle and name the various processes involved in it.

Why Carnot cycle is not practical for a vapor power plant?

Explain the Reheat rankine cycle.

What are the advantages of Reheat Rankine cycle?

What is Regenerative cycle?

What are the advantages of the regenerative cycle?

Define conduction.

Define convection.

Define radiation.

Define radiation shape factor.