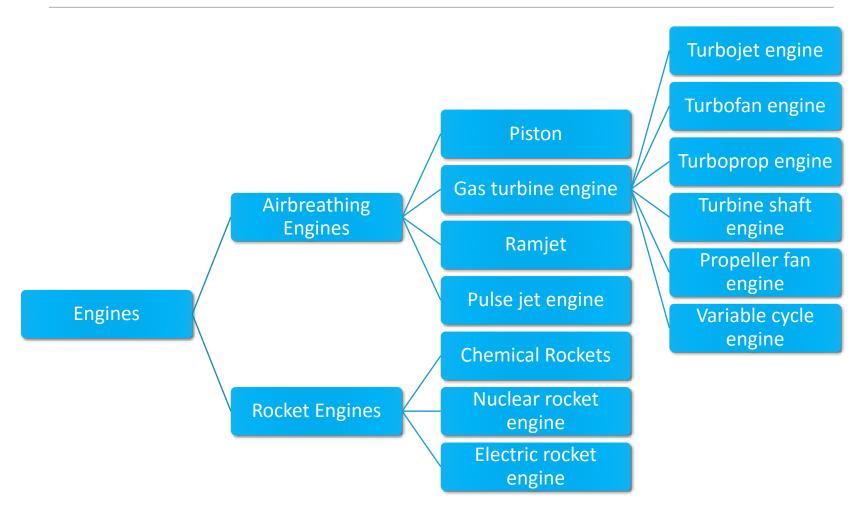
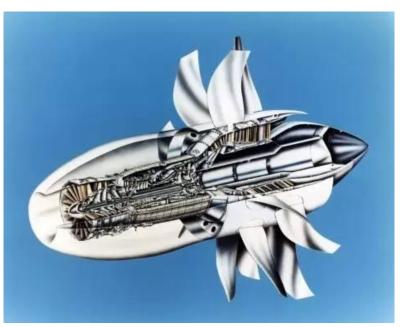
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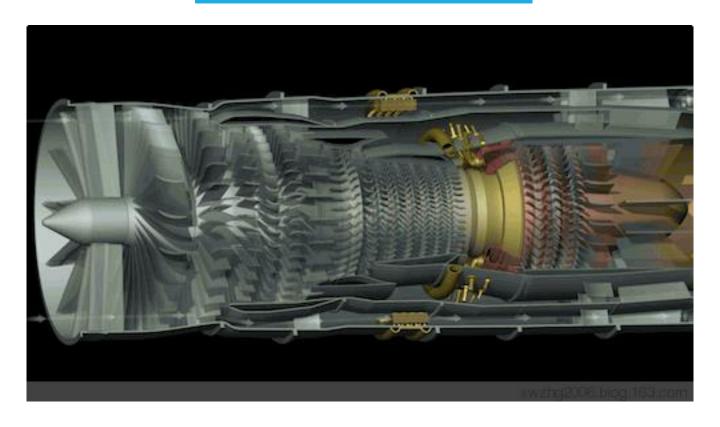


Propeller fan engine

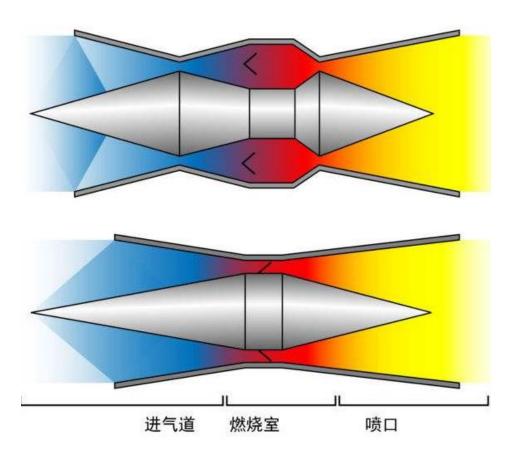




Variable cycle engine



Ramjet



Contents of <PS41>

- Basic concepts of thermodynamics and energy
- Chemical reactions
- Rocket propulsion (thrust, nozzle ...)
- Aircraft gas turbine engine (thrust, performance, ...)
- Component performance
- Parametric cycle analysis of ideal engines

Reference

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- Jack D. Mattingly, *Elements of Propulsion: Gas Turbines and Rockets*, AIAA, Virginia, USA, 2006
- Farokhi Saeed, Aircraft Propulsion, John Wiley & Sons, Inc., Hoboken, USA, 2008