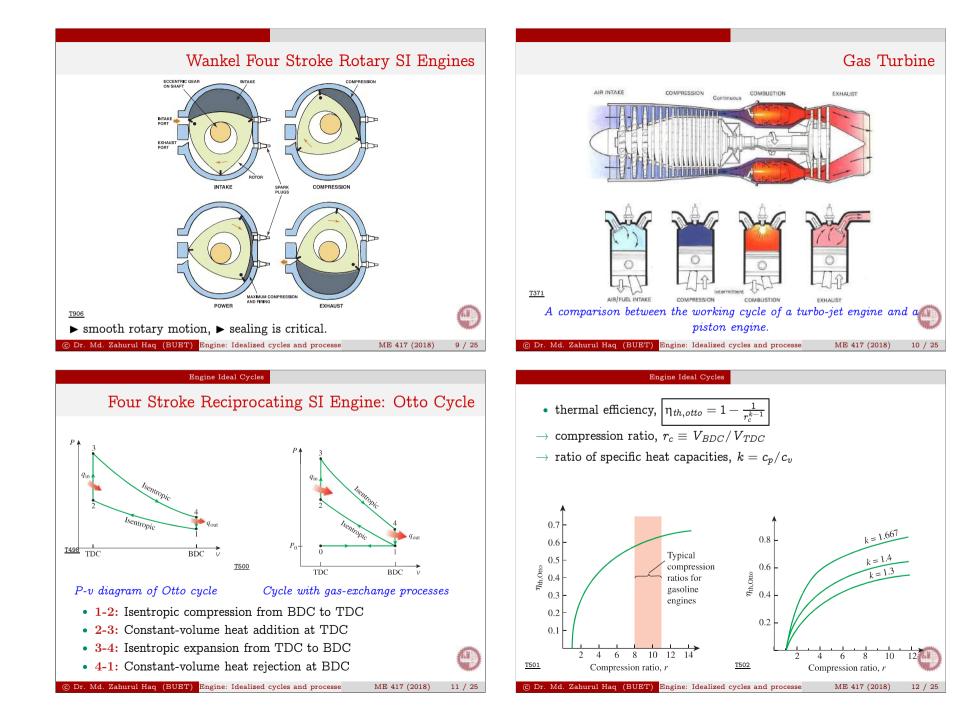
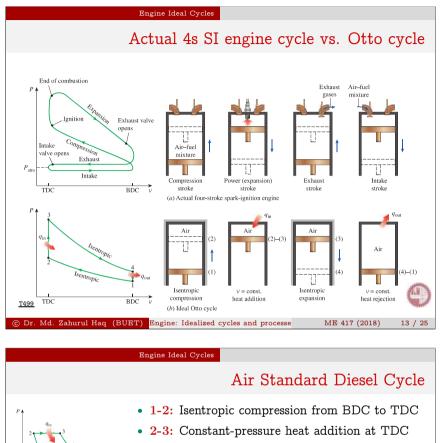
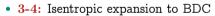


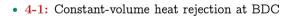
- Advantages of 4s engines: better fuel economy, better lubrication and easier control.
- Advantages of 2s engines: fewer moving parts, lighter weight and smoother operation.

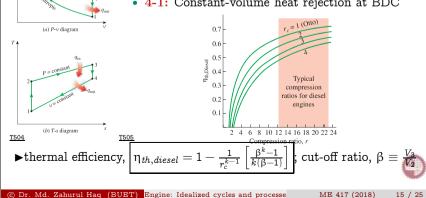
© Dr. Md. Zahurul Haq (BUET) Engine: Idealized cycles and processe

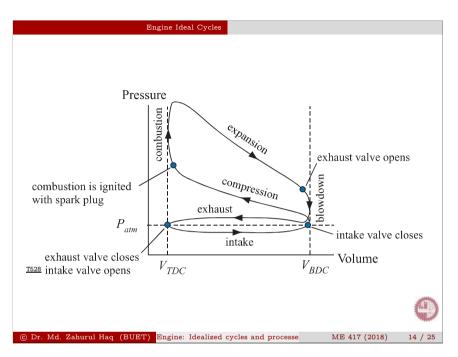


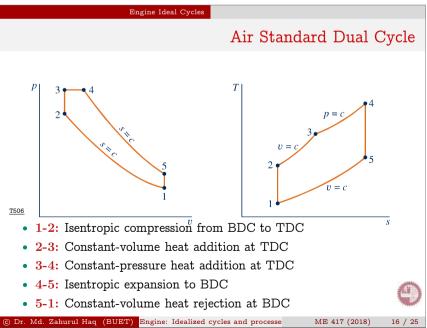


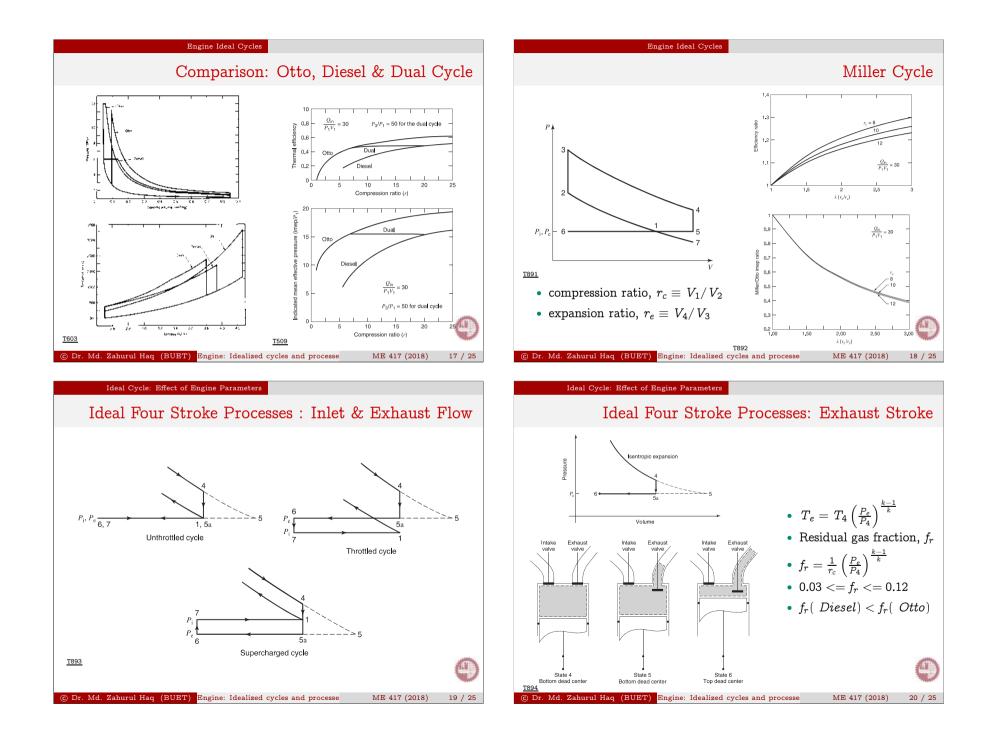


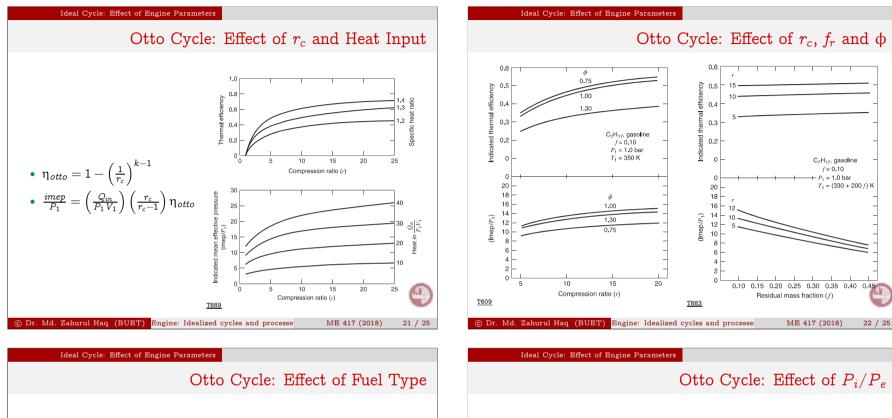


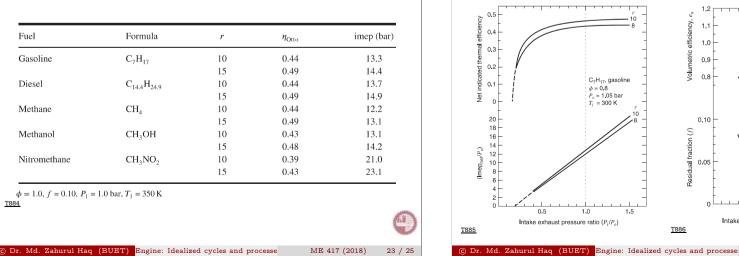












efficiency, 1.1

Volumetric

al fraction (f)

T886

1.0

0.9

0.8

0.10

0.05

0

C7H17, gasoline

 $\phi = 0.8$ $P_{\rm e} = 1.05$ bar $T_{\rm i} = 300$ K

1.5

24 / 25

Intake to exhaust pressure ratio (P_i/P_c)

1.0

ME 417 (2018)

0.5

 $\phi = 1.0, f = 0.10, P_1 = 1.0$ bar, $T_1 = 350$ K <u>T884</u>

C7H17

 CH_4

CH₃OH

Fuel

Gasoline

Diesel

Methane

Methanol

Nitromethane

