

ΚΥΚΛΙΚΗ	ΑΔΙΑΒΑΤΙΚΗ	ΙΣΟΒΑΡΗΣ	ΙΣΟΧΩΡΗ	ΙΣΟΘΕΡΜΗ
<p>_____</p>	<p>1. $\frac{P_A V_A}{T_A} = \frac{P_T V_T}{T_T}$</p> <p>2. $P_A V_A^\gamma = P_T V_T^\gamma$</p> <p>3. $T_A V_A^{\gamma-1} = T_T V_T^{\gamma-1}$</p> <p>4. $P_A^{1-\gamma} T_A^\gamma = P_T^{1-\gamma} T_T^\gamma$</p>	<p>1. $\frac{P_A V_A}{T_A} = \frac{P_T V_T}{T_T} \Rightarrow \frac{V_A}{T_A} = \frac{V_T}{T_T}$</p> <p>2. $P \cdot \Delta V = n R \Delta T$</p>	<p>1. $\frac{P_A V_A}{T_A} = \frac{P_T V_T}{T_T} \Rightarrow \frac{P_A}{T_A} = \frac{P_T}{T_T}$</p> <p>2. $\Delta P V = n R \Delta T$</p>	<p>Για κάθε σημείο: $P_A V_A = n R T_A$ Για τη μεταβολή ισχύουν: $P_A V_A = P_T V_T \Rightarrow P_A = P_T$</p>
<p>$Q_{κυκ} = W_{κυκ} = \sum_{i=1}^2 Q_i$</p>	<p>$Q_{αδiab} = 0$</p>	<p>$Q_P = n C_P \Delta T$</p> <p>$Q_P = \frac{P \Delta V}{R} C_P$</p> <p>$Q_P = \frac{P \Delta V \cdot \gamma}{\gamma - 1}$</p> <p>$Q_P = \Delta U_{ισοβ} + W_{ισοβ}$</p>	<p>$Q_V = n C_V \Delta T = \Delta U_{ισοχ}$</p> <p>$Q_V = \frac{\Delta P \cdot V \cdot C_V}{R}$</p> <p>$Q_V = \frac{\Delta P \cdot V}{\gamma - 1}$</p>	<p>$Q_{ισοθ} = W_{ισοθ} = n R T \ln \frac{V_T}{V_A}$</p> <p>$Q_{ισοθ} = P V \ln \frac{V_T}{V_A}$</p> <p>$Q_{ισοθ} = n R T \ln \frac{P_A}{P_T}$</p> <p>$Q_{ισοθ} = P V \ln \frac{P_A}{P_T}$</p>
<p>$\Delta U_{κυκ} = 0$</p>	<p>$\Delta U_{αδ} = -W = n C_V \Delta T$</p> <p>$\Delta U_{αδ} = \frac{n R \Delta T}{\gamma - 1} = \frac{n R (T_T - T_A)}{\gamma - 1}$</p> <p>$\Delta U_{αδ} = \frac{P_T V_T - P_A V_A}{\gamma - 1}$</p>	<p>$\Delta U_{ισοβ} = n C_V \Delta T$</p> <p>$\Delta U_{ισοβ} = \frac{P \Delta V \cdot C_V}{R}$</p> <p>$\Delta U_{ισοβ} = \frac{P \Delta V}{\gamma - 1}$</p> <p>$\Delta U_{ισοβ} = Q_P - W_{ισοβ}$</p>	<p>$\Delta U_{ισοχ} = n C_V \Delta T = Q_V$</p> <p>$\Delta U_{ισοχ} = \frac{\Delta P \cdot V \cdot C_V}{R}$</p> <p>$\Delta U_{ισοχ} = \frac{\Delta P \cdot V}{\gamma - 1}$</p>	<p>$\Delta U_{ισοθ} = n C_V \Delta T = 0$</p> <p>$\Delta T = 0$</p>
<p>$W_{κυκ} = Q_{κυκ} = \sum_{i=1}^2 W_i$</p>	<p>$W_{αδ} = -\Delta U_{αδ} = -n C_V \Delta T$</p> <p>$W_{αδ} = n C_V (T_A - T_T)$</p> <p>$W_{αδ} = \frac{n R (T_A - T_T)}{\gamma - 1}$</p> <p>$W_{αδ} = \frac{P_A V_A - P_T V_T}{\gamma - 1}$</p>	<p>$W_{ισοβ} = P \cdot \Delta V$</p> <p>$W_{ισοβ} = n R \Delta T$</p> <p>$W_{ισοβ} = Q_P - \Delta U_{ισοβ}$</p>	<p>$W_{ισοχ} = 0$</p> <p>$\Delta V = 0$</p>	<p>$W_{ισοθ} = Q_{ισοθ} = n R T \ln \frac{V_T}{V_A}$</p> <p>$W_{ισοθ} = P \cdot V \ln \frac{V_T}{V_A}$</p> <p>$W_{ισοθ} = n R T \ln \frac{P_A}{P_T}$</p> <p>$W_{ισοθ} = P V \ln \frac{P_A}{P_T}$</p>
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