

Энтропия идеального газа

- $\delta Q = TdS = C_v dT + PdV \Rightarrow$
 $TdS = C_v dT/T + P/TdV = C_v dT/T + R/VdV \Rightarrow$
- $S = S(V, T) = C_v \ln T + R \ln V + \text{const}$
- $S = S(P, T) = C_p \ln T - R \ln P + \text{const}$
- $S = S(P, V) = C_v \ln P + C_p \ln V + \text{const}$