

1.7 Motivation for subsequent sections

- Every thermodynamic system is described by a thermodynamic potential obeying the above relations.
- If one knows the thermodynamic potential for one contact, the thermodynamic potential for all other contacts can easily be calculated.
- All thermodynamic restrictions for a thermodynamic system are automatically fulfilled.
- The thermodynamic restrictions depend on the kind of contact, i.e. on the interactions between the system and the surrounding.
- For all these interactions the thermodynamic potential can easily be calculated when just one thermodynamic potential for one special contact is known.