| Small Systems in the Microcanonical, Canonical and Gibbs Ensembles |
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| Master thesis in Physics |
| We investigate the differences and the relations between the canonical and the microcanonical ensembles for a small ideal gas and a small weakly repulsive system with the gravitational and harmonic potentials as examples. Starting from the canonical ensemble, we then construct the Gibbs ensemble for a small ideal gas system in a harmonic potential. |
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| Prof. Joseph Brader |