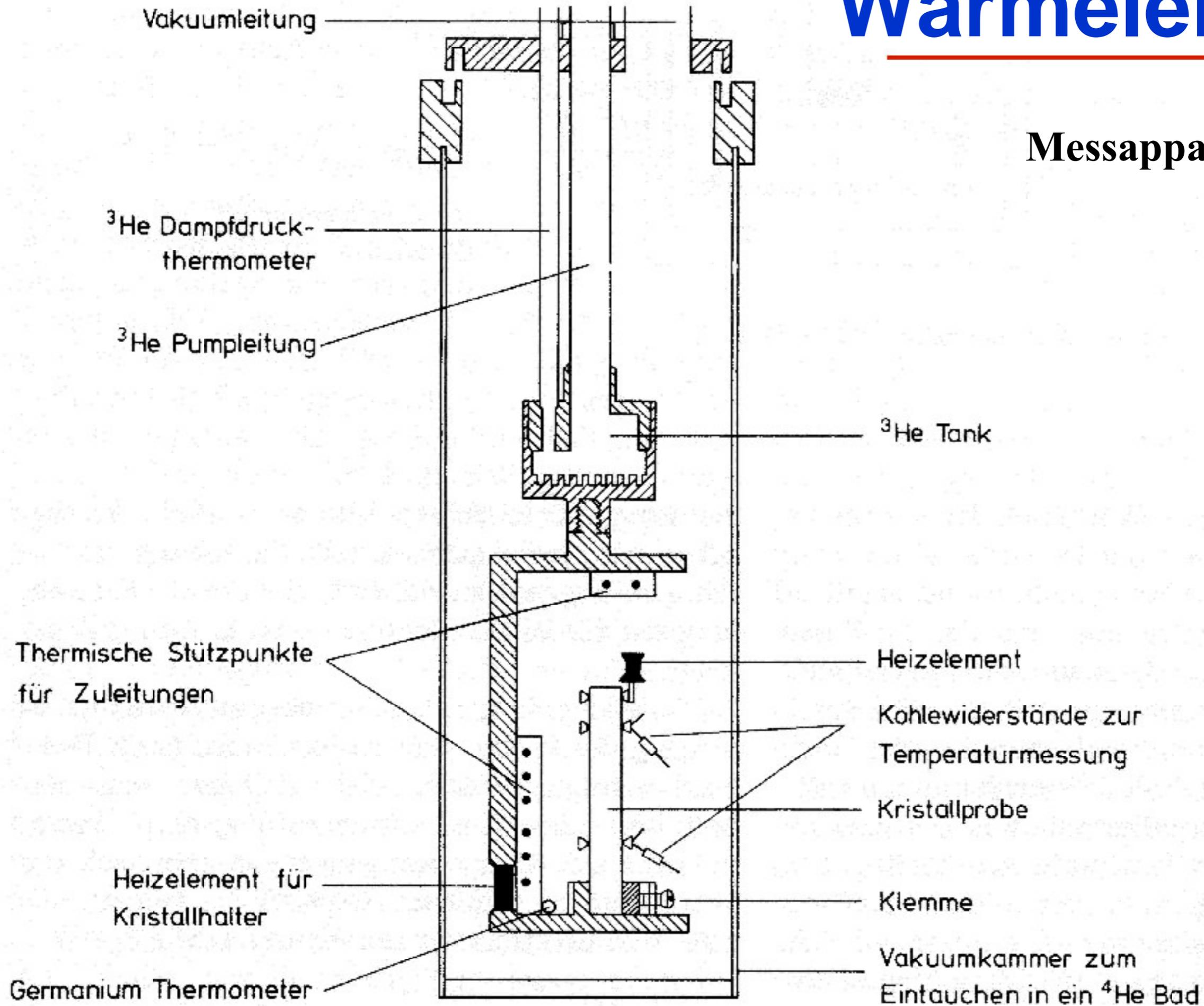
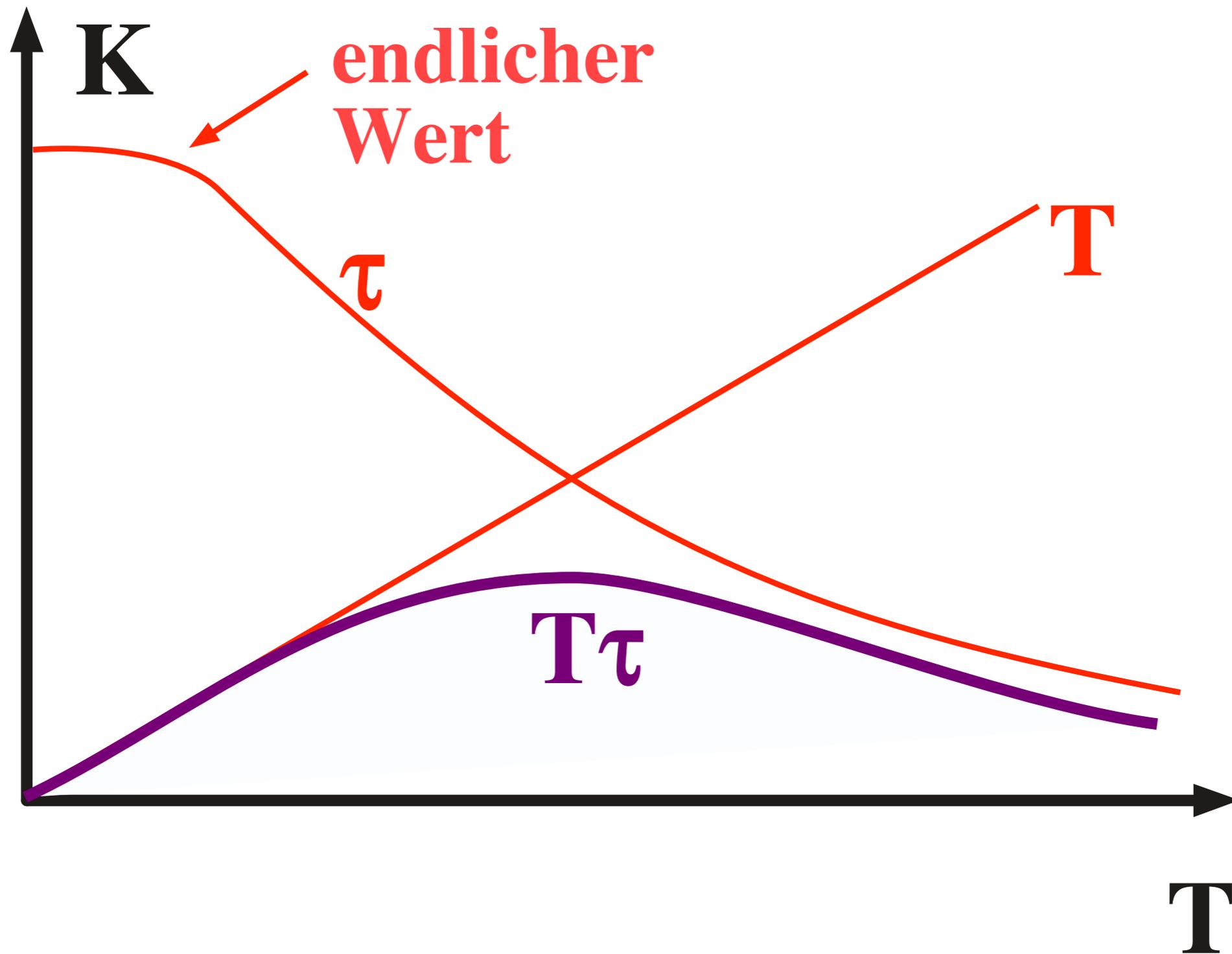


Wärmeleitung

Messapparatur

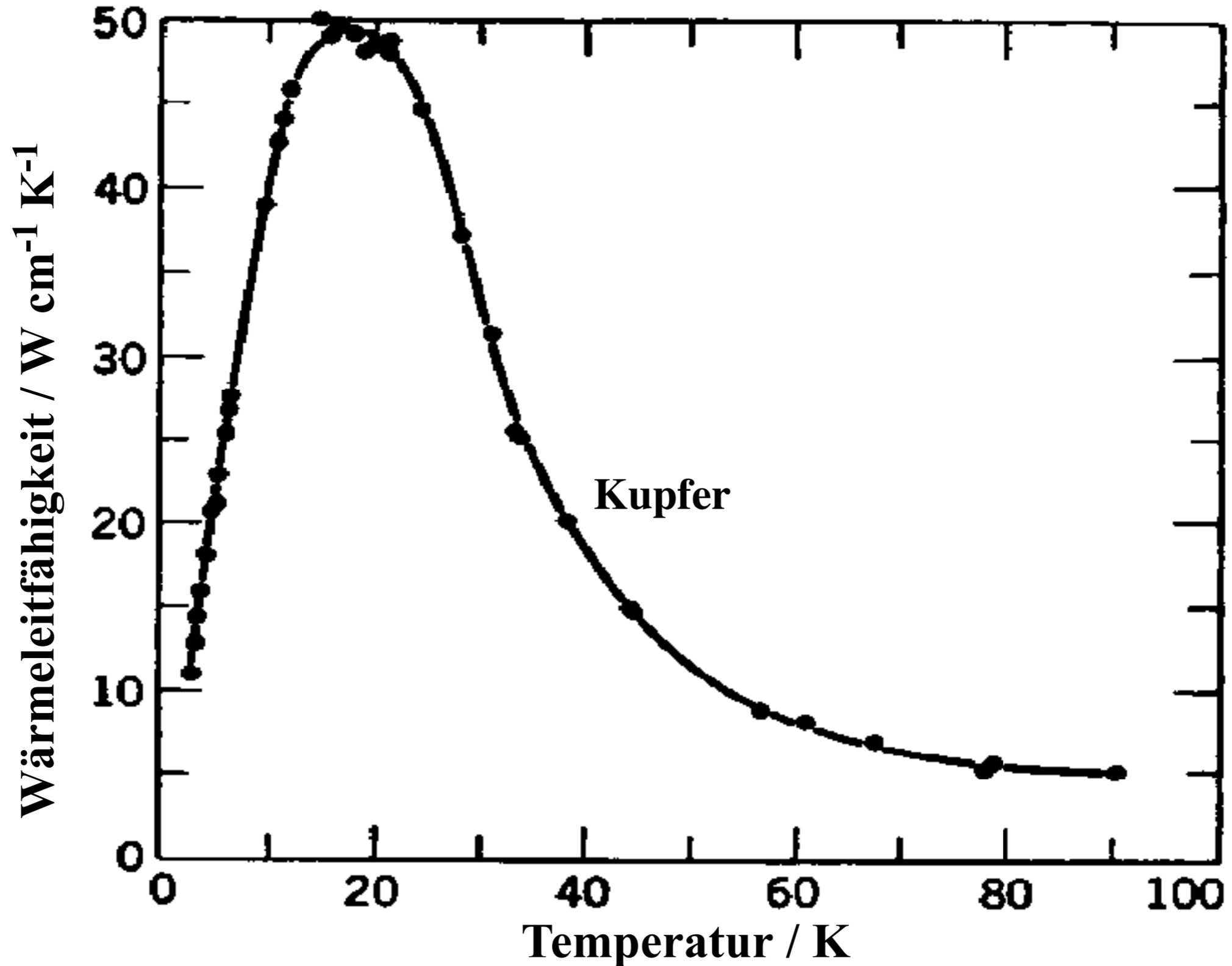


Wärmeleitung



Temperaturabhängigkeit

Temperaturabhängigkeit der Wärmeleitfähigkeit



Wärmeleitfähigkeit und Lorenzzahl

| ELEMENT | 273 K | | 373 K | |
|---------|-------------------------|---|-------------------------|---|
| | κ (watt/cm-K) | $\kappa/\sigma T$ (watt-ohm/K ²) | κ (watt/cm-K) | $\kappa/\sigma T$ (watt-ohm/K ²) |
| Li | 0.71 | 2.22×10^{-8} | 0.73 | 2.43×10^{-8} |
| Na | 1.38 | 2.12 | | |
| K | 1.0 | 2.23 | | |
| Rb | 0.6 | 2.42 | | |
| Cu | 3.85 | 2.20 | 3.82 | 2.29 |
| Ag | 4.18 | 2.31 | 4.17 | 2.38 |
| Au | 3.1 | 2.32 | 3.1 | 2.36 |
| Be | 2.3 | 2.36 | 1.7 | 2.42 |
| Mg | 1.5 | 2.14 | 1.5 | 2.25 |
| Nb | 0.52 | 2.90 | 0.54 | 2.78 |
| Fe | 0.80 | 2.61 | 0.73 | 2.88 |
| Zn | 1.13 | 2.28 | 1.1 | 2.30 |
| Cd | 1.0 | 2.49 | 1.0 | |
| Al | 2.38 | 2.14 | 2.30 | 2.19 |
| In | 0.88 | 2.58 | 0.80 | 2.60 |
| Tl | 0.5 | 2.75 | 0.45 | 2.75 |
| Sn | 0.64 | 2.48 | 0.60 | 2.54 |
| Pb | 0.38 | 2.64 | 0.35 | 2.53 |
| Bi | 0.09 | 3.53 | 0.08 | 3.35 |
| Sb | 0.18 | 2.57 | 0.17 | 2.69 |

Source: G. W. C. Kaye and T. H. Laby, *Table of Physical and Chemical Constants*, Longmans Green, London, 1966.