GERMAN - AMERICAN TREE #2

Klein bottle

Carl L.F. Lindemann
(Erlangen, 1873)

Sommerfeld model of the atom
(1916)

Debye-Huckel law **(1923)**
Debye T^3 law, **Debye** temperature **(1912)**
Debye equation for polarization investigations of dipole moments; electron and X-ray diffraction of gases

Onsager limiting law **(1926)**
Onsager reciprocal relations **(1931)**
Kirkwood-Onsager equations **(1934/1936)**
thermodynamic theory of irreversible processes

Huckel 4n + 2 rule
Huckel 4n rule **(1931/1932)**

Pauli exclusion principle **(1924)**
Pauli principle **(1940)**

Heisenberg uncertainty principle **(1925)**; creation of quantum mechanics; discovery of allotropic forms of hydrogen

Bloch equations
(1946/1956)
Bloch $T^{3/2}$ law for magnetization; nuclear magnetic resonance phenomena

Renner-Teller effect **(1934)**
Jahn-Teller effect **(1936/7)**
Gamow-Teller selection rule **(1936)**

Leo J. Rainwater
theory of the structure of the atomic nucleus

Heitler-London treatment **(1927)**
London dispersion forces **(1930)**
London superconductivity equations **(1935)**

Hans Albrecht Bethe
theory of nuclear reactions; energy production in stars

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