



Peter Joseph William Debye 1884-1966

Netherland
Germany
USA

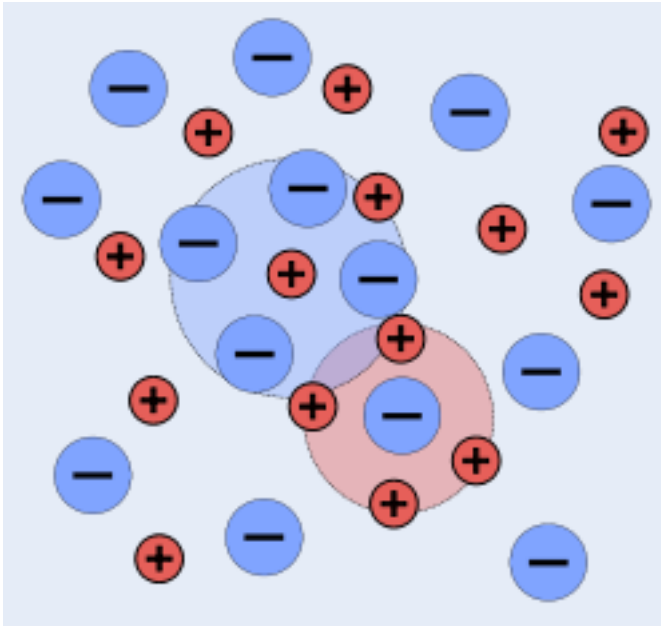
Nobel 1936

Dipole-moment, asymmetric charge distribution, dielectric coefficient

Heat capacity at
low temperature $\sim T^3$

Debye-Waller factor
Decrease with temperature
of diffraction x-ray points intensity
From crystals

Charge shielding in ionic solutions



Light Scattering
from macromolecules
solution to determine
their molecular weight

