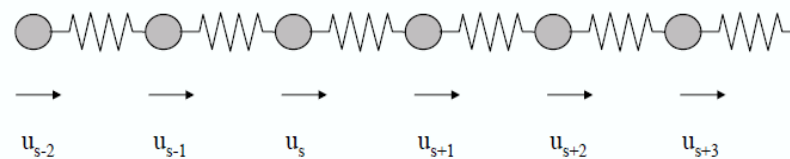
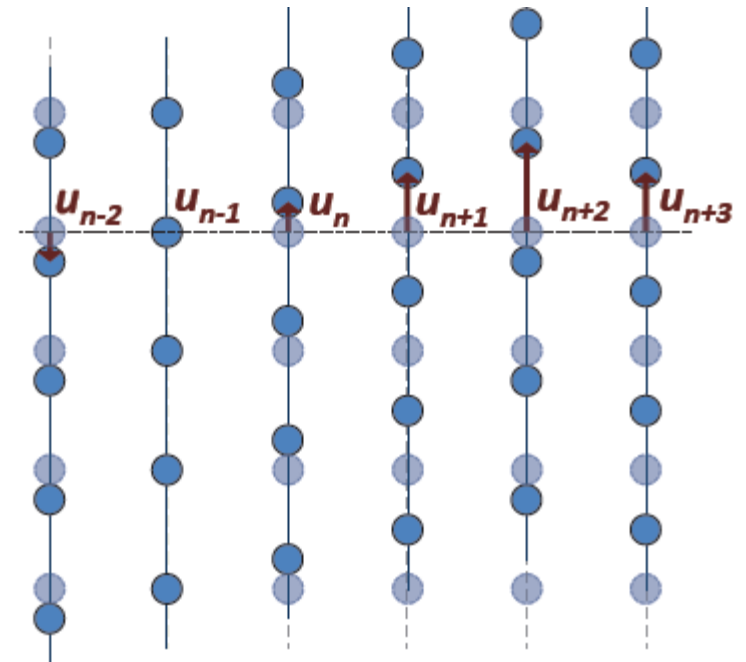
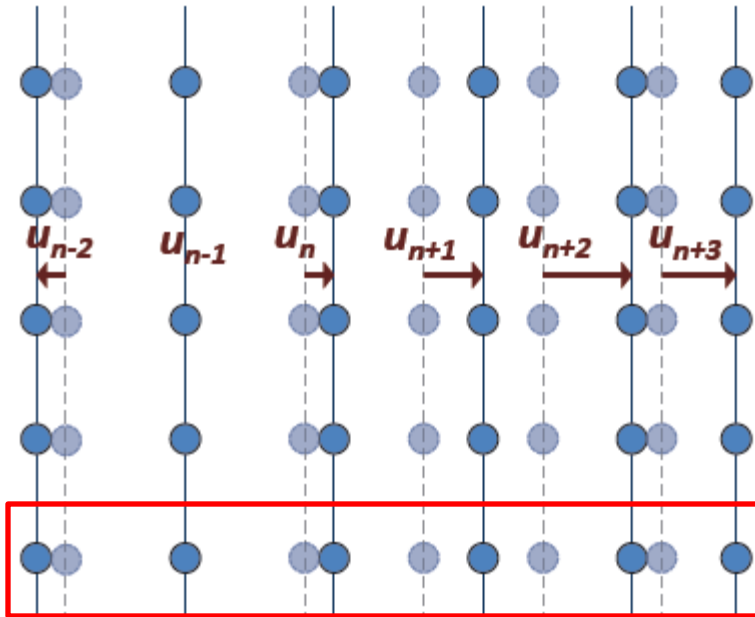


Longitudinale und transversale Gitterschwingungen

(aus R.Gross)

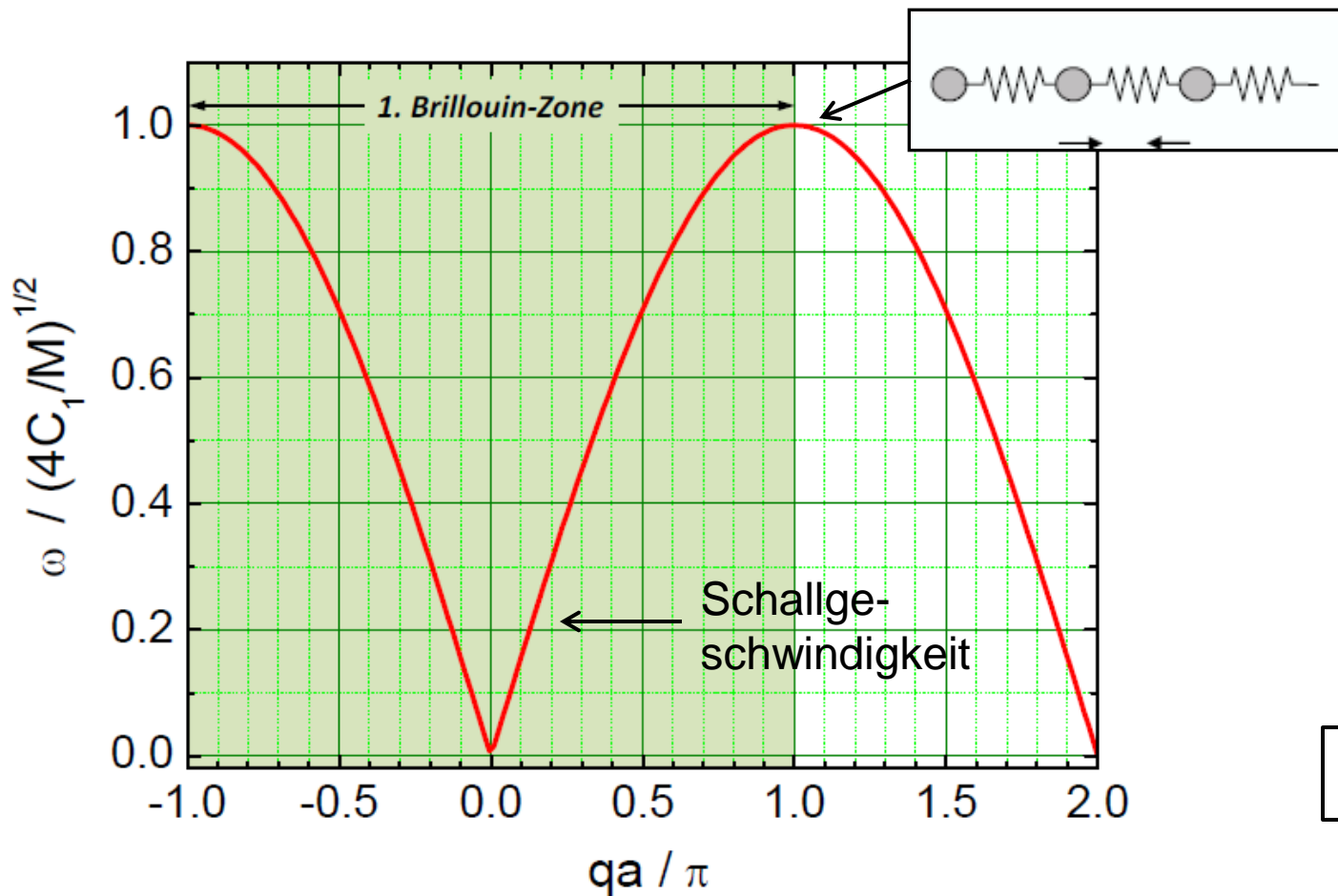
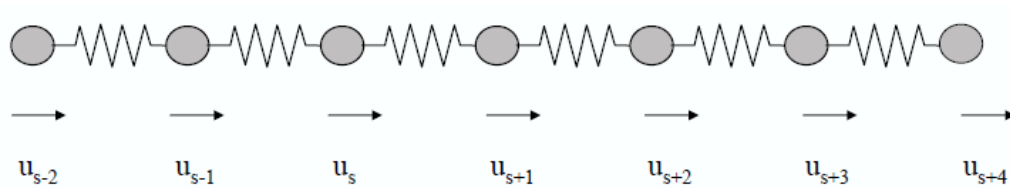
Schnitt durch 3-dim. Gitter



Beschreibung durch lineare Kette.

Transversale Schwingungen können analog durch lineare Kette beschrieben werden.

Lineare Kette mit 1-atomiger Basis



(aus R.Gross)

Fig-FK- 3.2

Erste Brillouin-Zone: Minimale Wellenlänge

(aus S.Hunklinger)

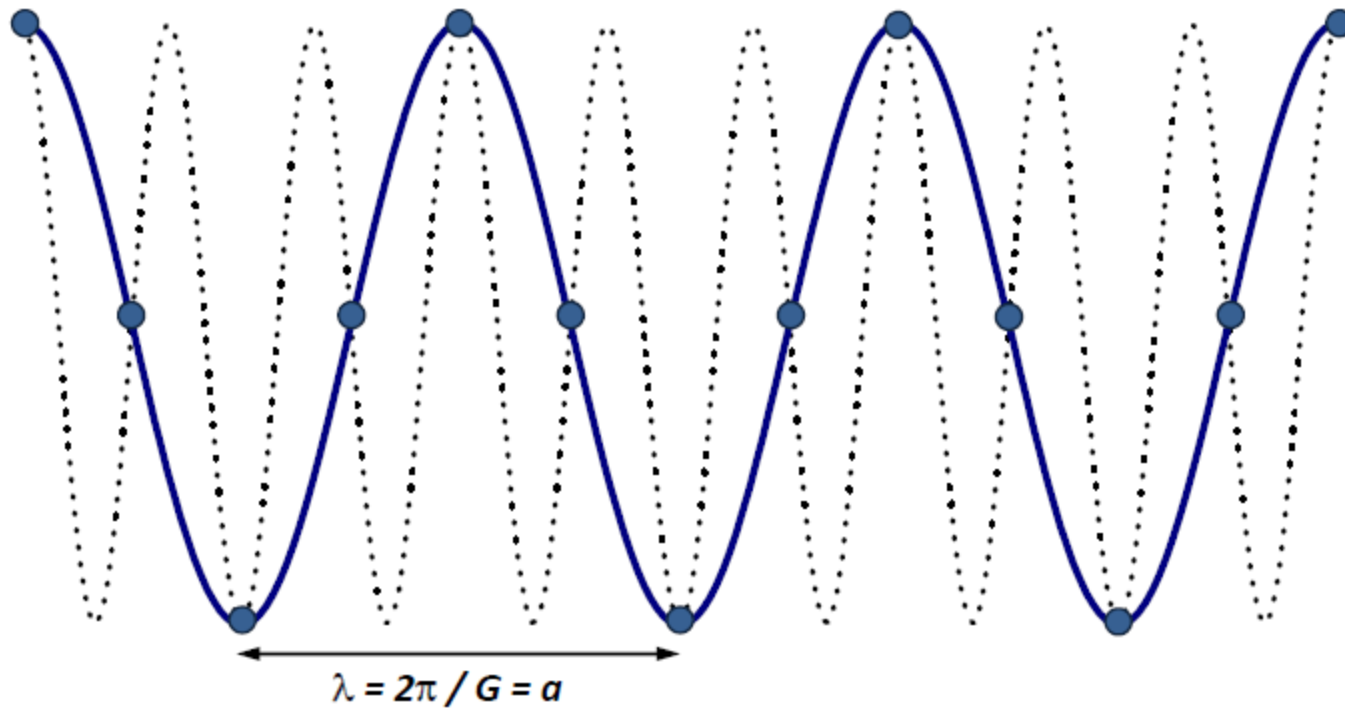


Fig-FK- 3.3

Lineare Kette mit 2-atomiger Basis

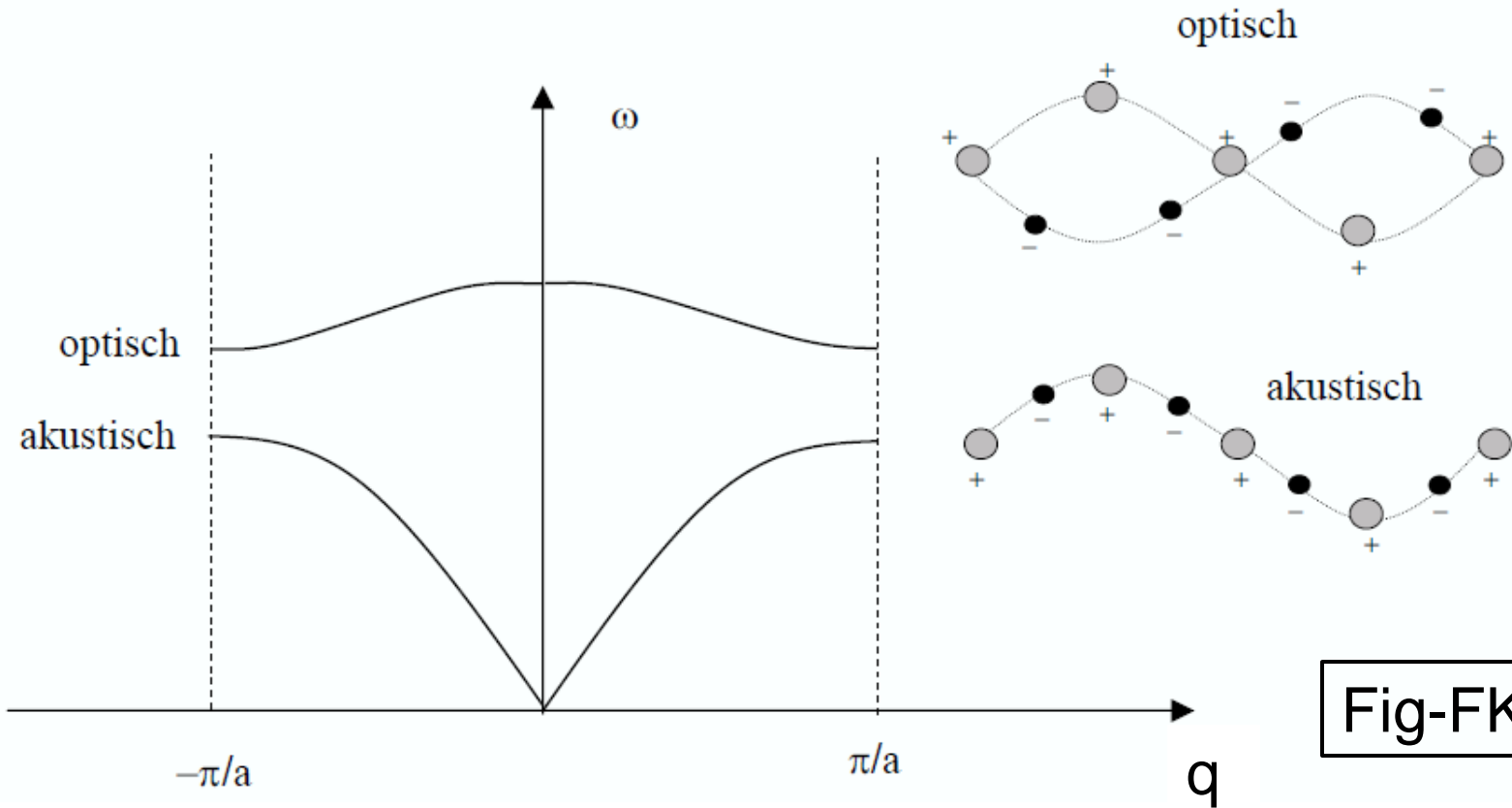
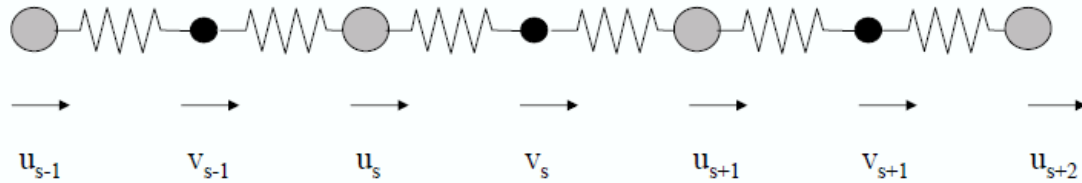


Fig-FK- 3.4