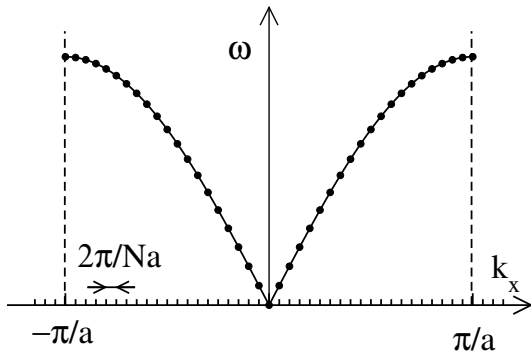


P#8: Klasična teorija vibracija kristalne rešetke  
Fizika čvrstog stanja 1

predavanja 2021

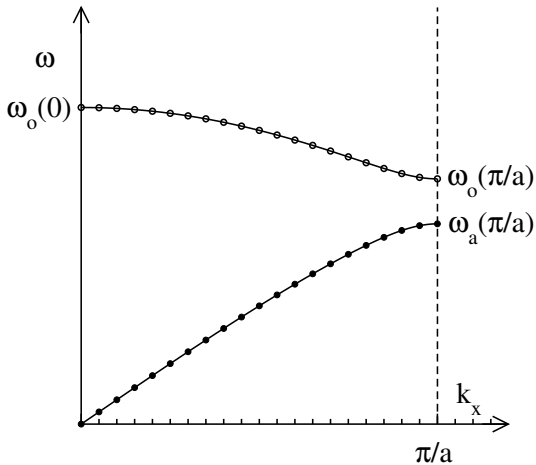
### # 8.3 Primjer 1: monoatomski lanac

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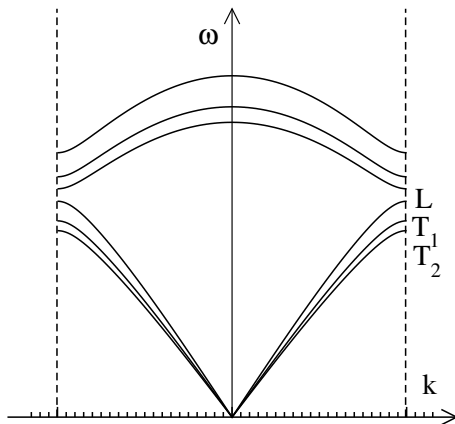
## # 8.4 Primjer 2: lanac s dva atoma u bazi

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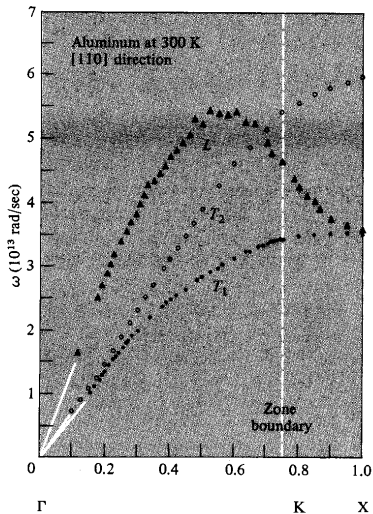
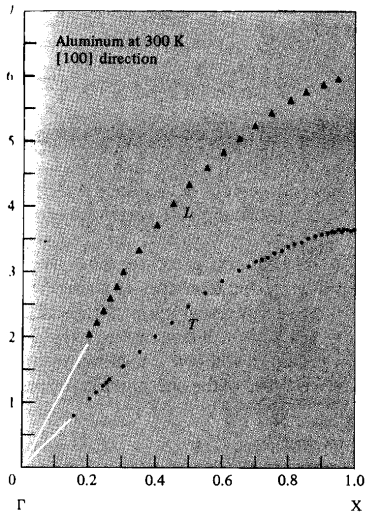


## # 8.5 3D Kristali

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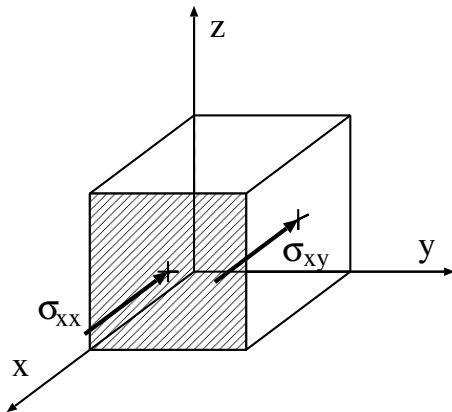


## # 8.5 3D Kristali



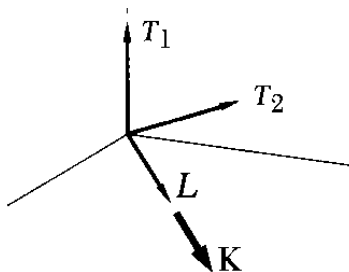
## # 8.6.4 Tenzor napona

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# 8.6.5 Širenje elastičnih valova u kubičnom kristalu

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Wave in  $[110]$  direction

$$L : \frac{1}{2}(C_{11} + C_{12} + 2C_{44})$$

$$T_1 : C_{44}$$

$$T_2 : \frac{1}{2}(C_{11} - C_{12})$$

# Literatura

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- 1) Ashcroft & Mermin, *Solid State Physics*, Pog. 21, 22
- 2) Kittel, *Introduction to Solid State Physics*, §§ 3.7, 4.1, 4.2