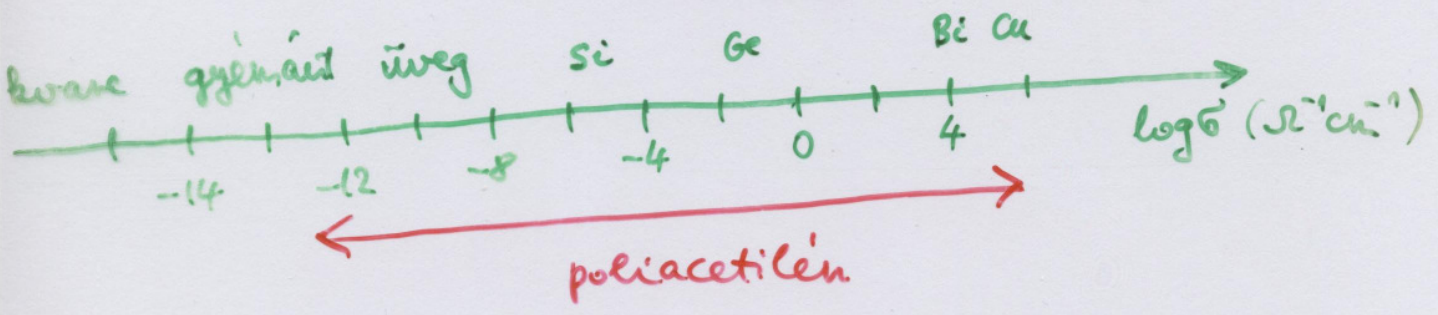
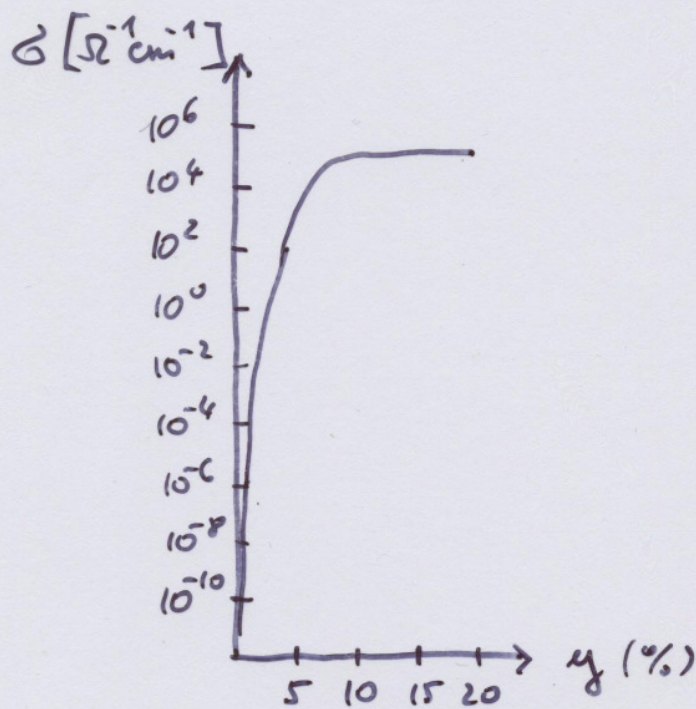


FÉLVEZETŐ → FÉM ÁTMENET

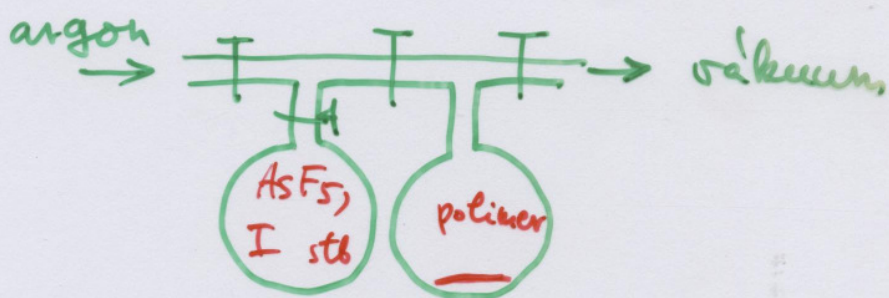
DÓPOLÁS (INTERKALÁCIÓS) HATÁSÁRA

$(\text{CH I}_y)_x$, $(\text{CH Br}_y)_x$ $[\text{CH}(\text{AsF}_6)_y]_x$ stb

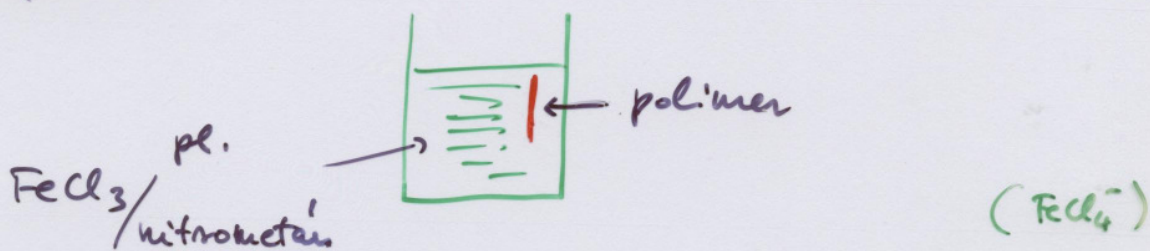


DÓPOLÁS

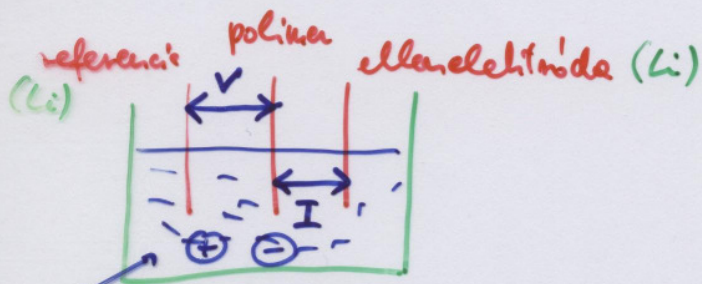
a) Gázfázisból



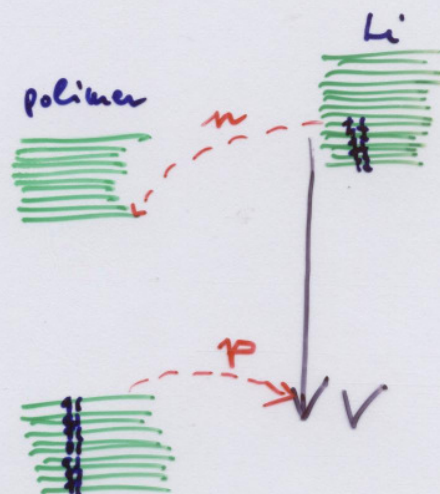
b) Folyadék fázisból



c) Elektrokémiai dőpés



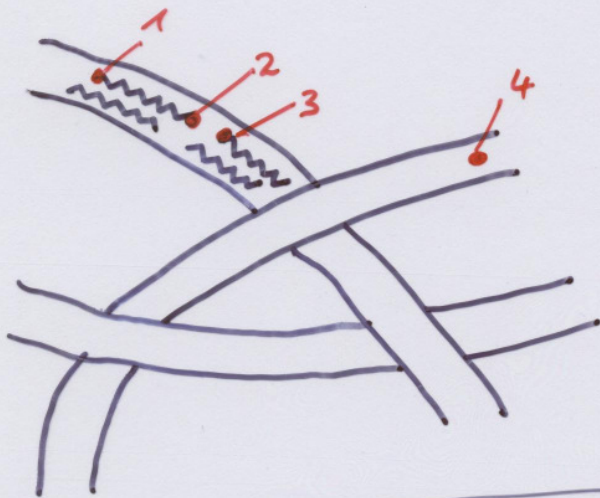
pl. $\text{Li}^+ \text{ClO}_4^-$ / propilén-harbanát (n)
tetrabutil-ammonium (p)



Dópoló polimer: „piszkos fém”
 T csökhöz \rightarrow σ csökhöz

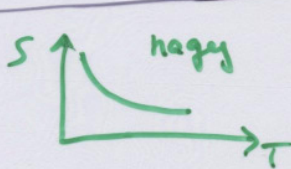
$$\sigma(T) = \sigma_0 e^{-\left(T_0 + \frac{T_1}{T}\right)}$$

(Stein)

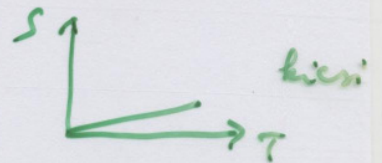


- 1-2 láncszelvény
- 2-3 láncszelvény
- 3-4 fibrillák között

Termoelektromos erő (S)



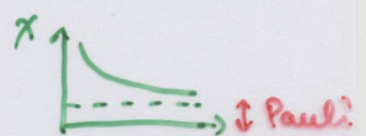
dópolás \rightarrow



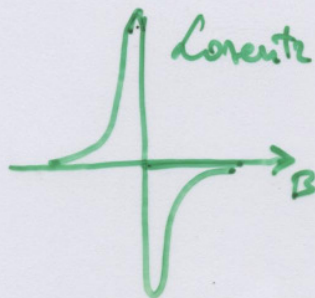
Mágneses susceptibilitás (χ)



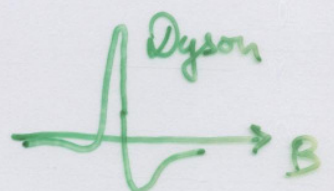
dópolás \rightarrow



ESR

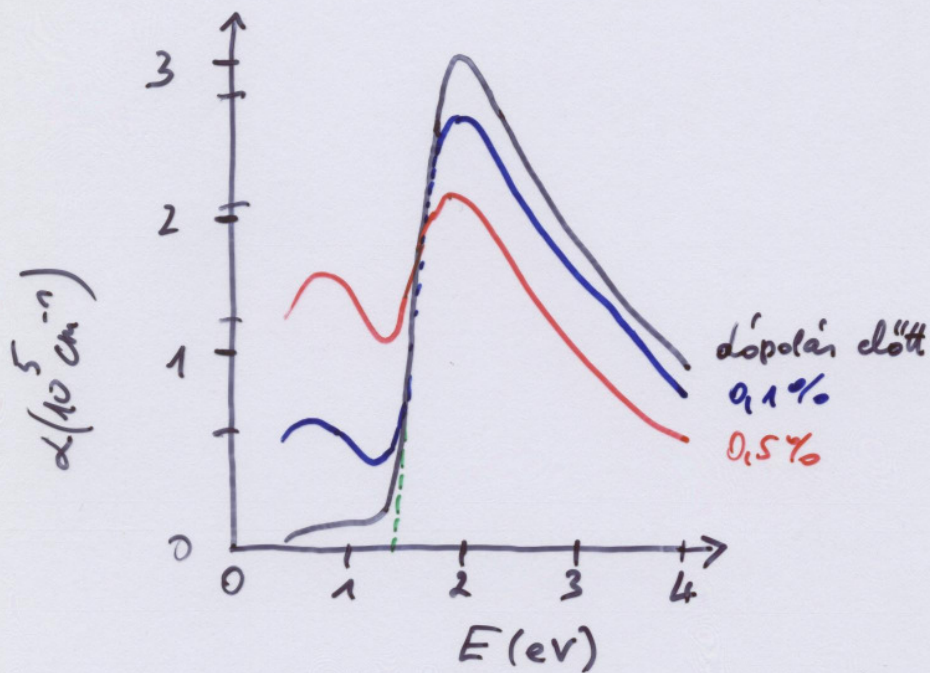


dópolás \rightarrow



Az optikai abszorpció változása dőpolár hatására

$$I \sim e^{-\alpha x}$$



trans-(CH)_x

