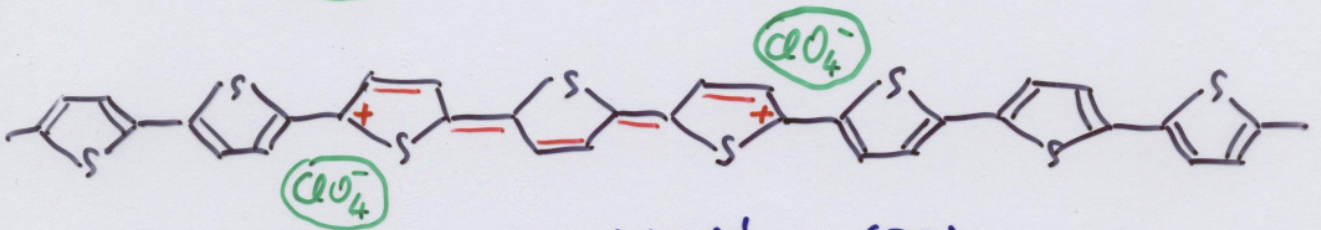
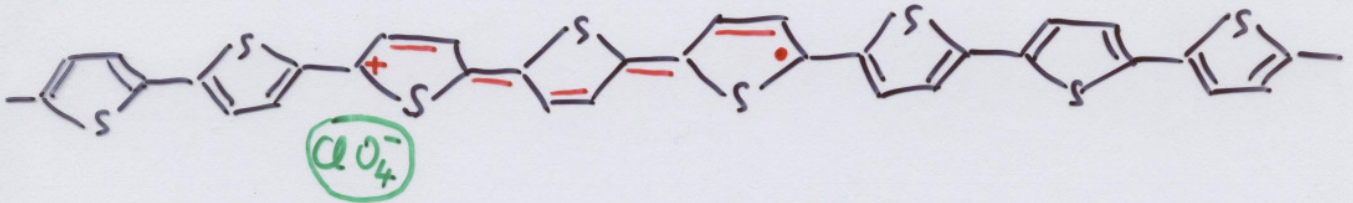
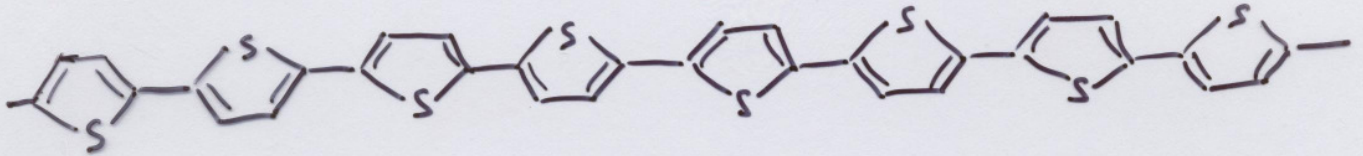
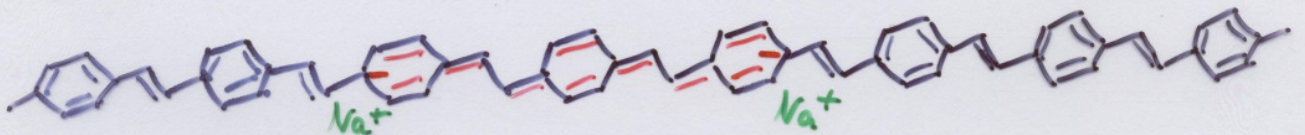
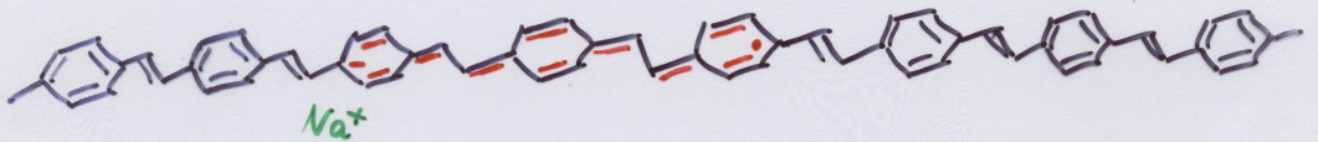
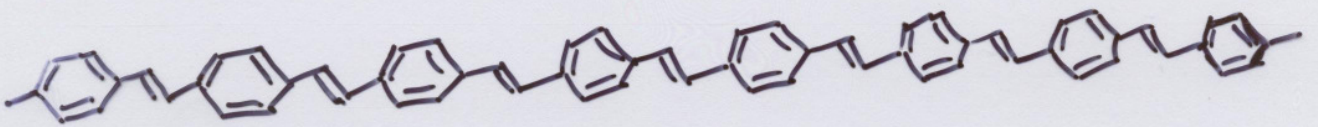


POLARONOK, BIPOLARONOK ... (gyök-ionok)

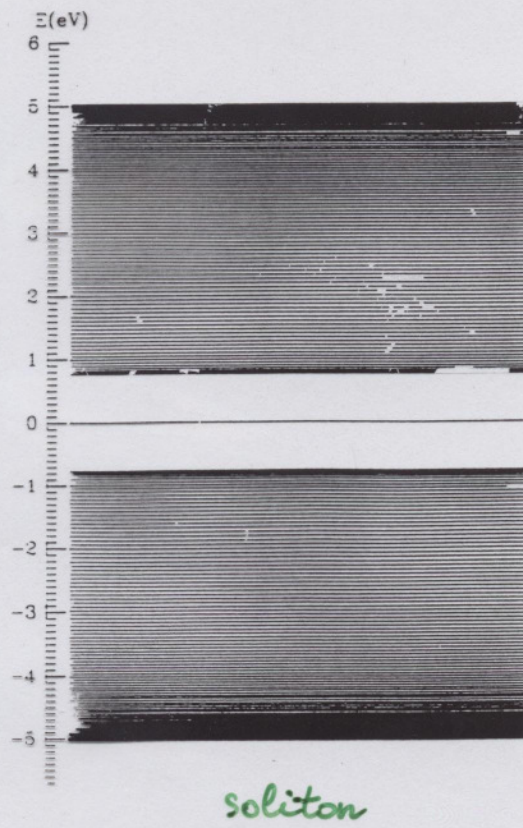
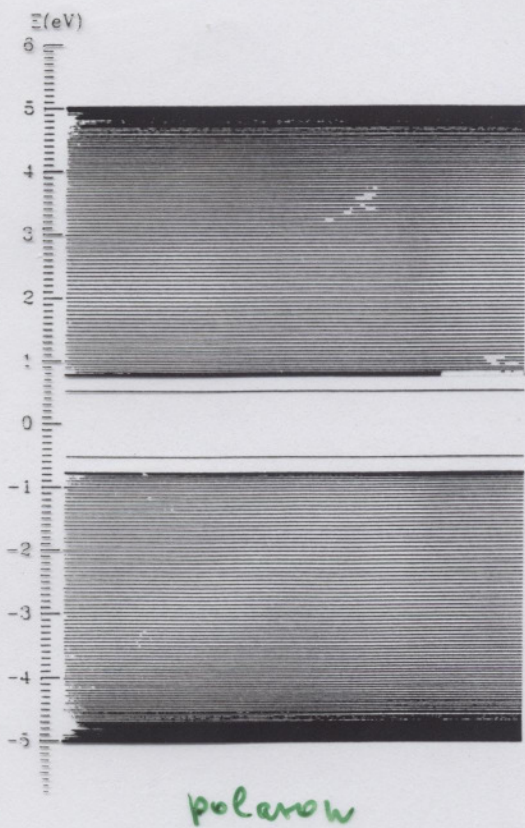
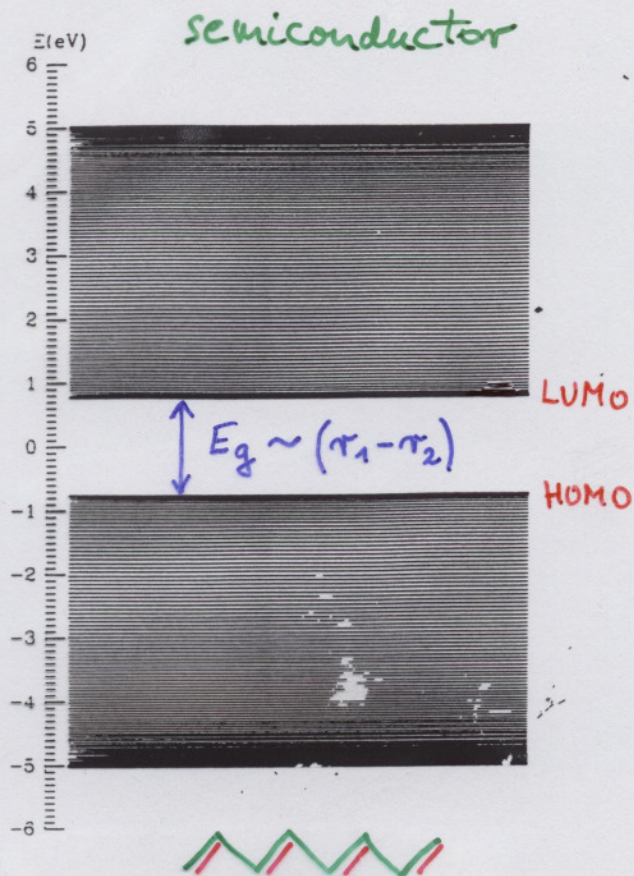
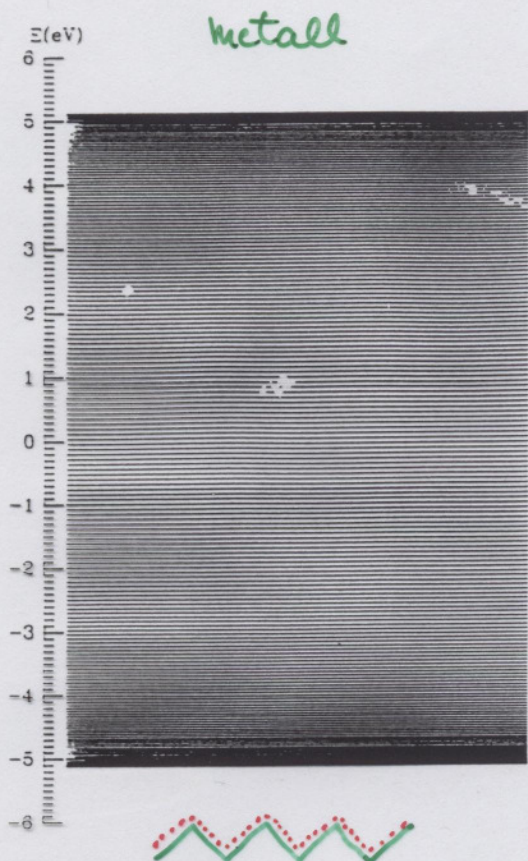


politiofén (PT)



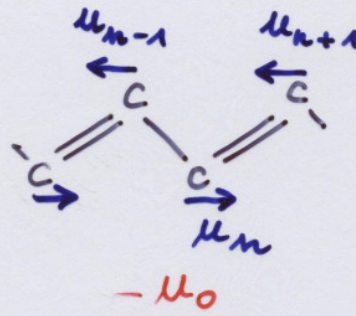
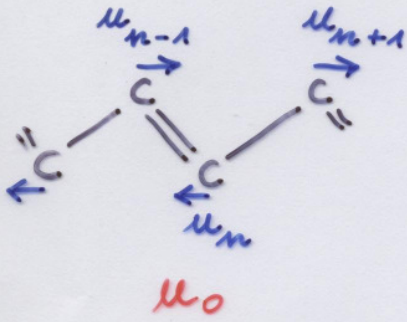
poli-parafenilén-vinilén (PPV)

C₂₀₀

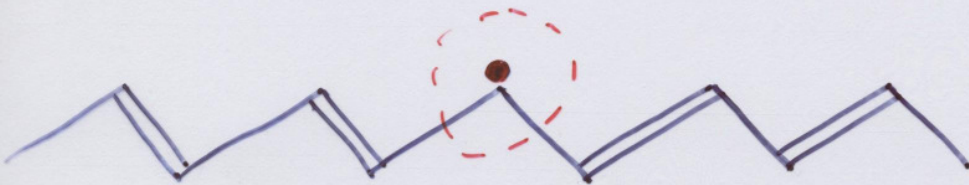


The energy levels for a linear chain of 200 C-atoms, calculated by LHS - model.

SZOLITON (transz-poliacetilénben)

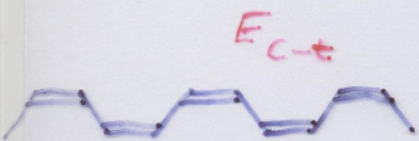
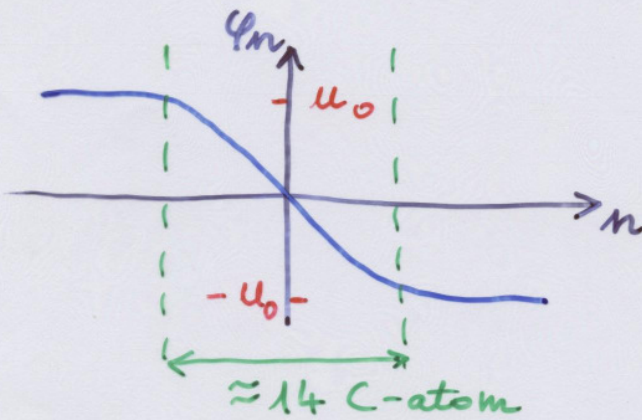


degenerált
alapállapot!

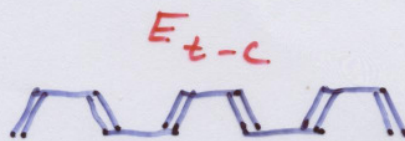


(semleges)
szoliton

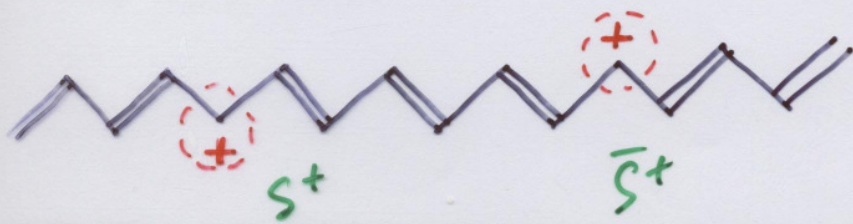
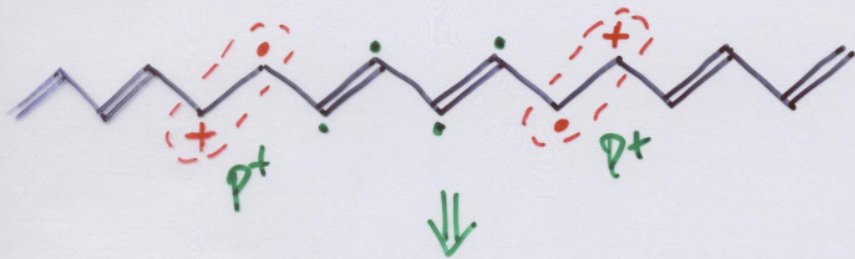
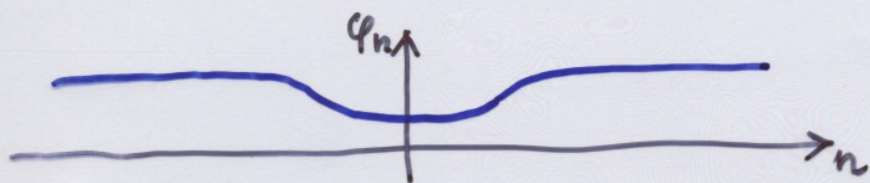
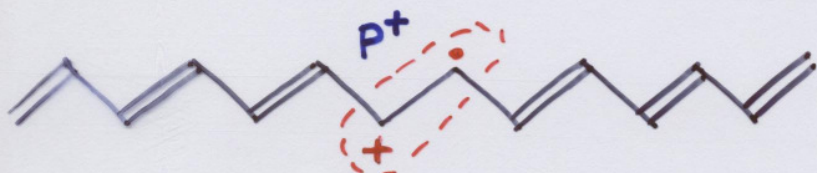
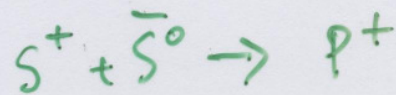
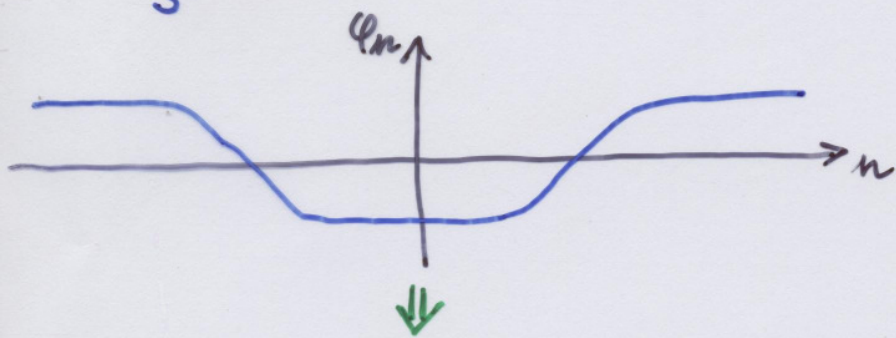
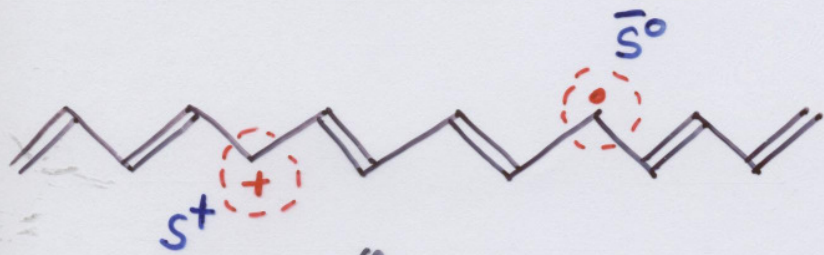
rendparaméter: $\varphi_n = (-1)^n \cdot u_n$



<

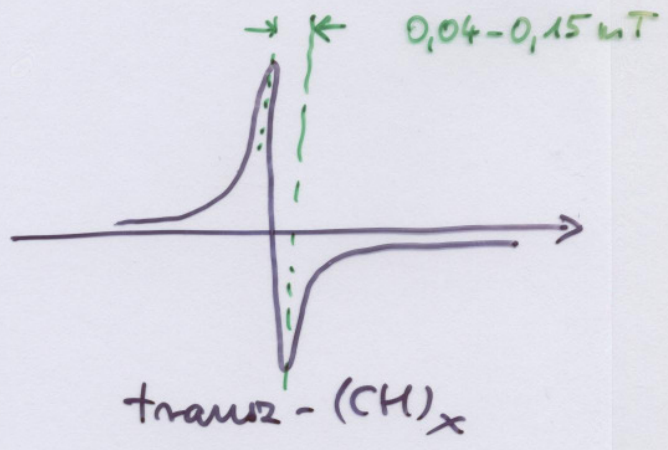
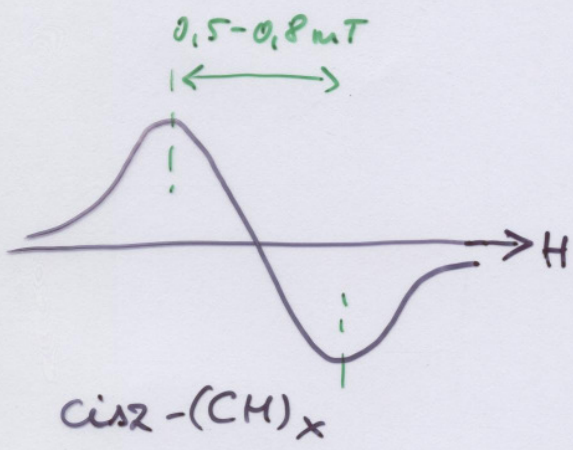


cisz-poliacetilén!
nem degenerált!



Szolitonok $(CH)_x$ -ben

ESR



Dynamic Nuclear Polarization

ESR-jel telítése → NMR intenzitás változása

