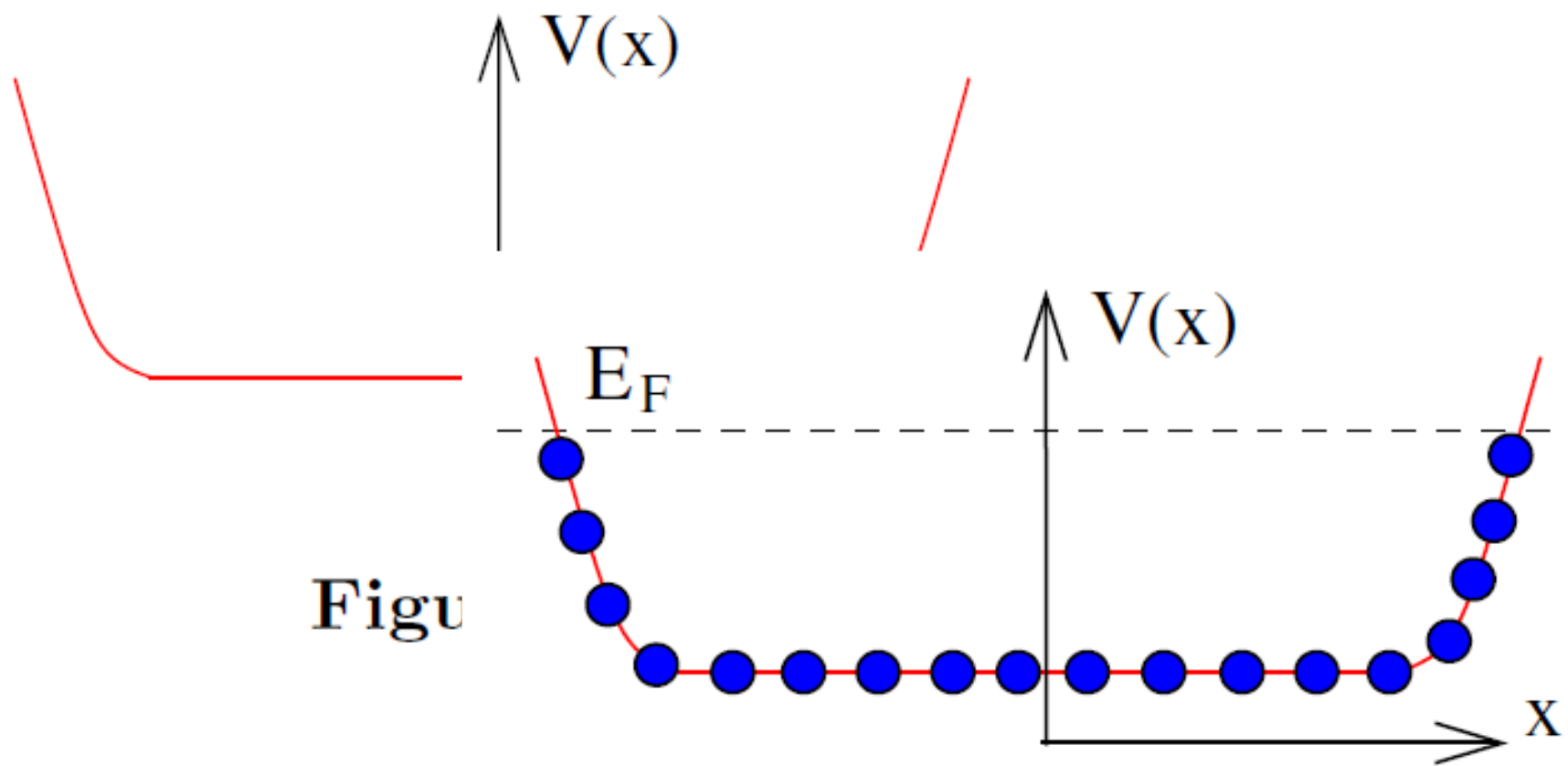
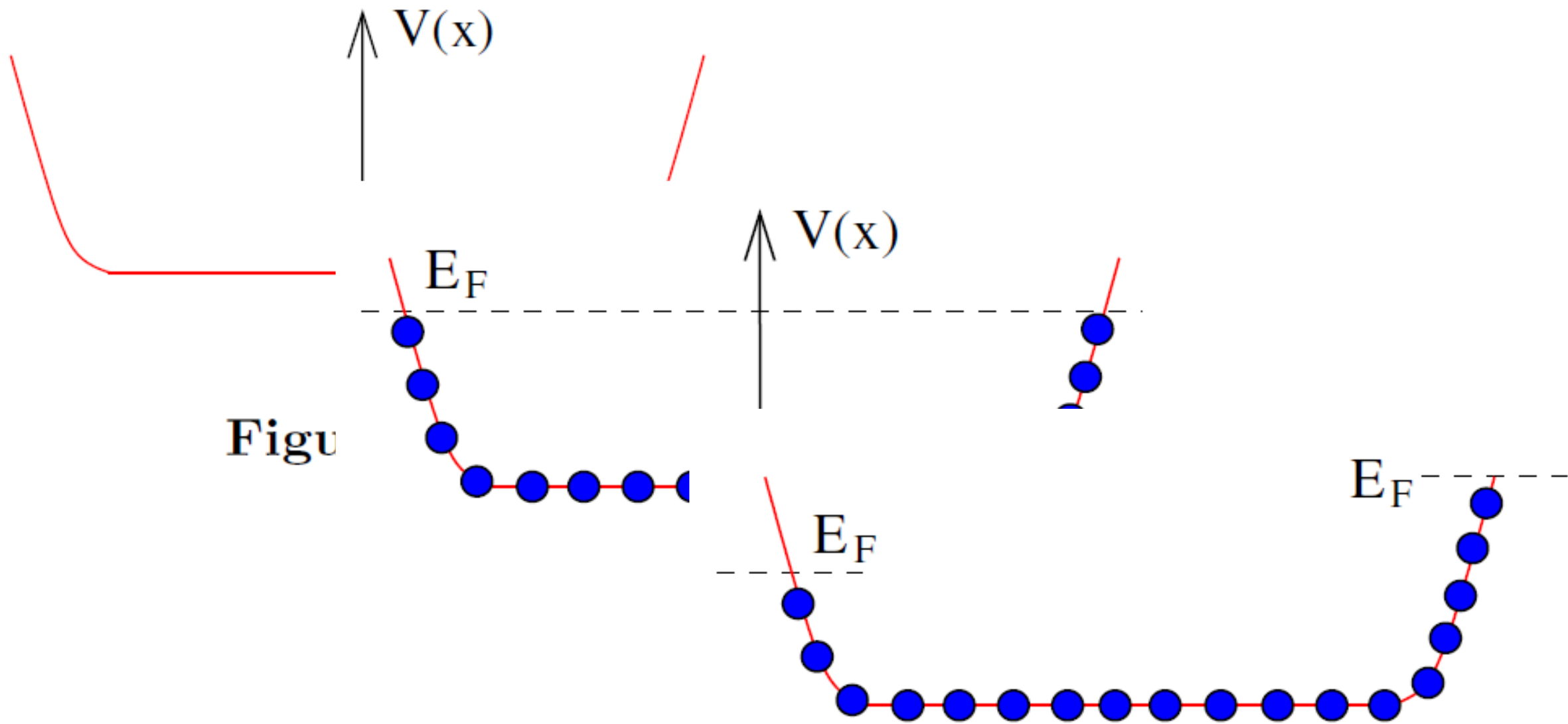


Figure 15:

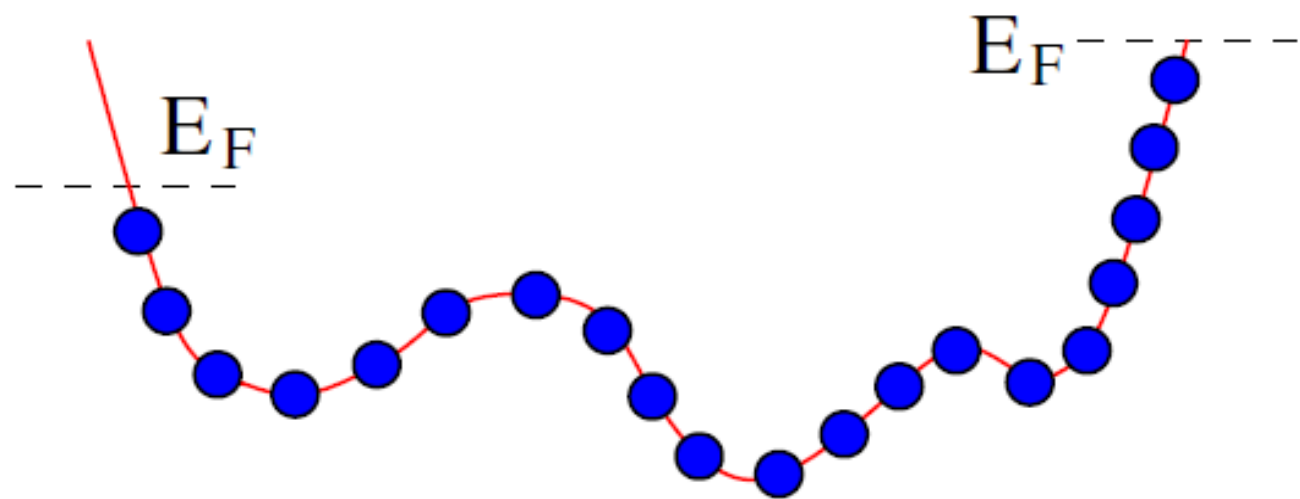
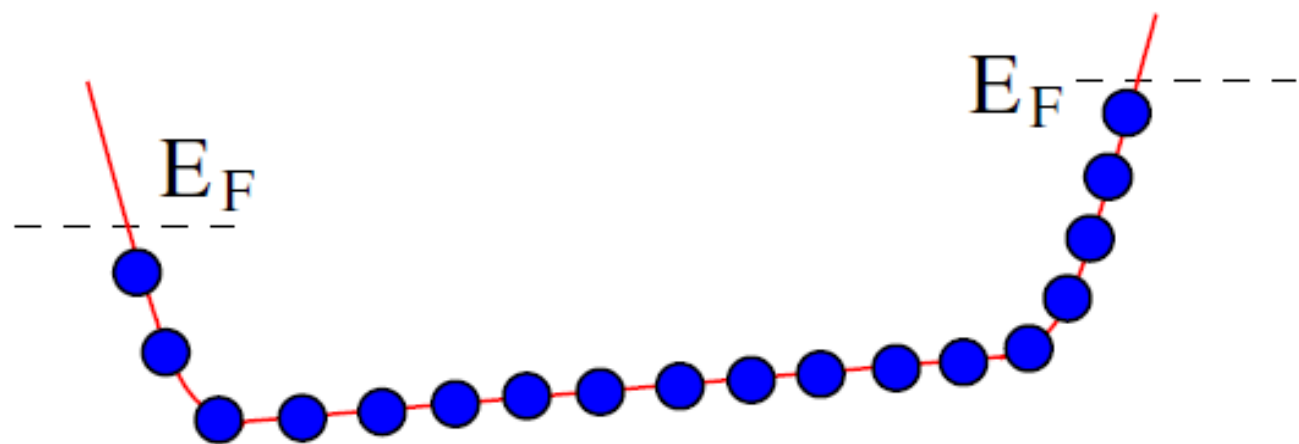


Figur



Figur

$$\sigma_{xy} = \frac{I_y}{V_H} = \frac{e^2}{2\pi\hbar}$$



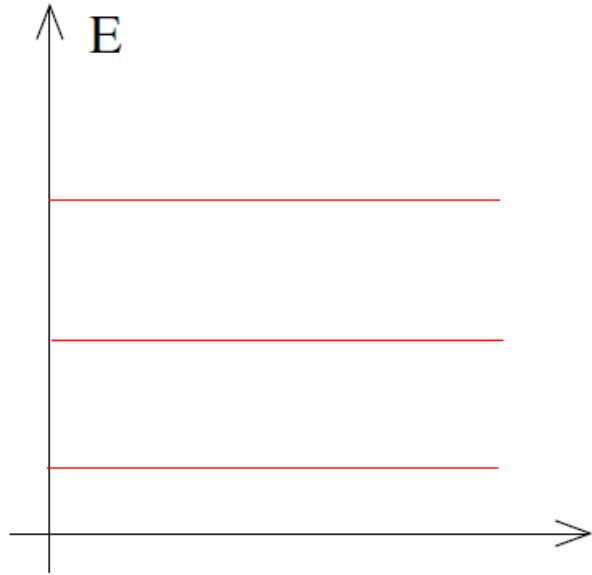


Figure 16: Density of states without disorder...

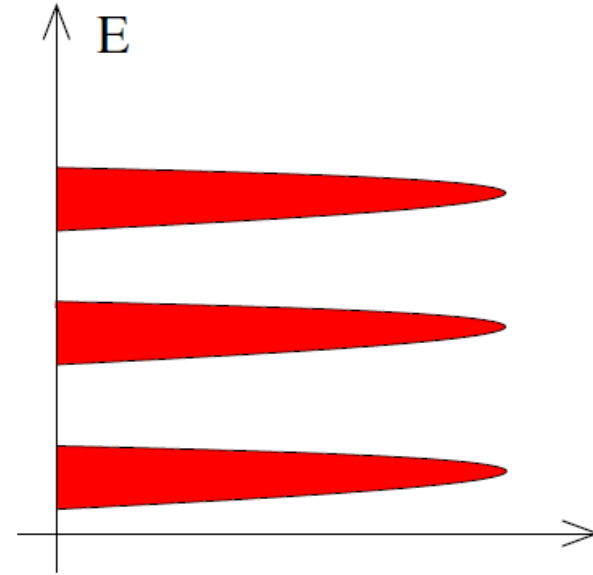


Figure 17: ...and with disorder.

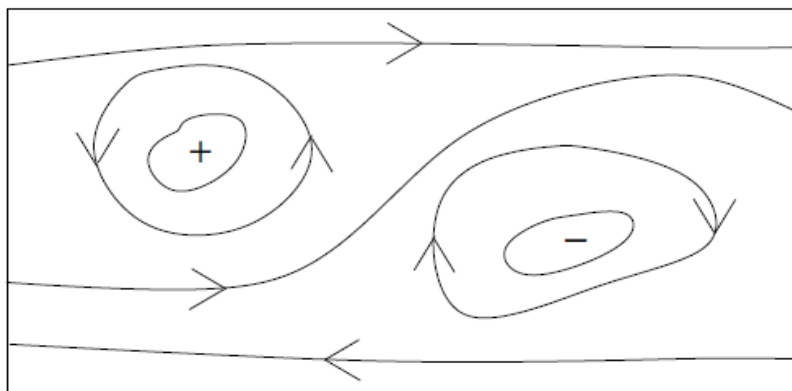


Figure 18: The localisation of states due to disorder.

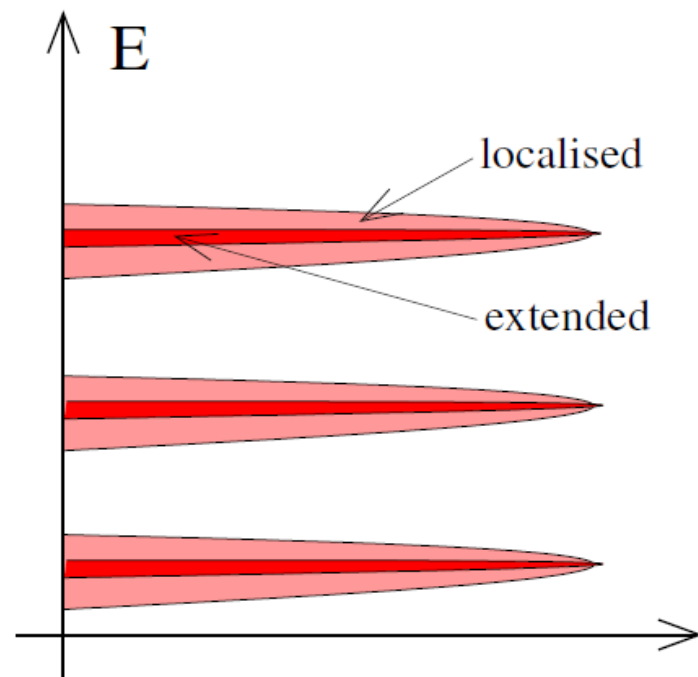


Figure 19: The resulting density of states.

[Video - https://en.wikipedia.org/wiki/Quantum_Hall_effect](https://en.wikipedia.org/wiki/Quantum_Hall_effect)