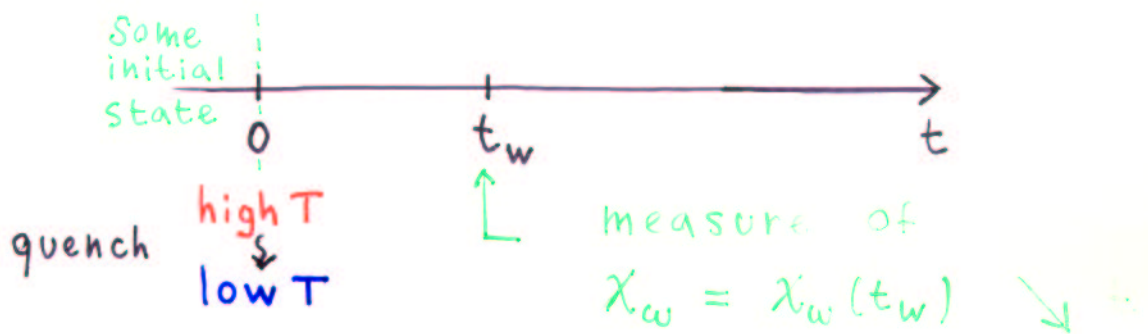


Aging:

- dep. on thermal history
- relaxation time \gg experim. time (low T)

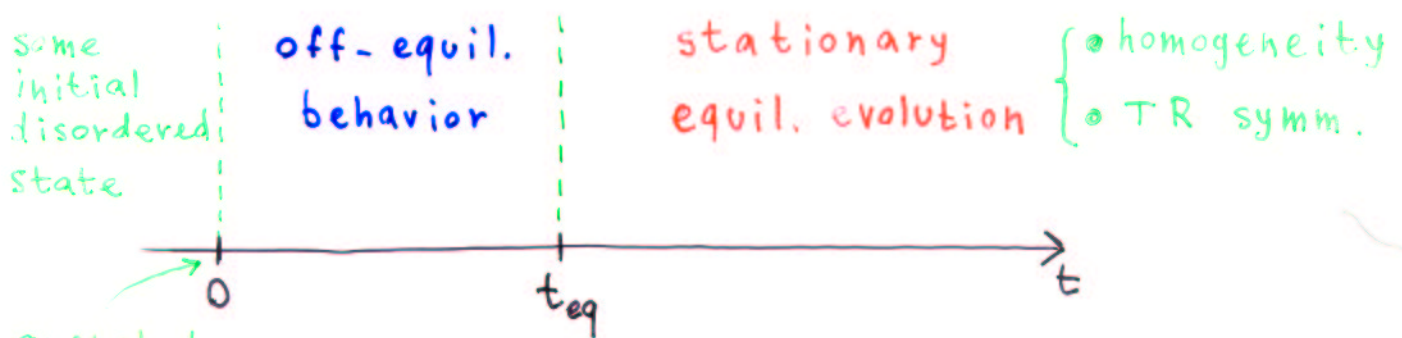
non-eq. behavior



? Only for spin glasses \rightsquigarrow NO

[Cugliandolo, Kurchan, Parisi '94]

- System relaxing towards Equilibrium:



$$s < t : \begin{cases} C_\alpha(t, s) \equiv \langle \phi_\alpha(t) \phi_{\alpha=0}(s) \rangle \\ R_\alpha(t, s) \equiv \frac{\delta \langle \phi_\alpha(t) \rangle}{\delta h_0(s)} \end{cases}$$

small external field

$\langle \cdot \rangle$: mean over stochastic dynamics