Recycle: How to Berlin

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Capabilities: theory vs. experiment

- theory: each arbitrary laser pulse
- populations of eigenstates:

$$\mathbf{P_n}(\mathbf{t}) = \langle \mathbf{\Phi_n} | \mathbf{\Psi}(\mathbf{t}) \rangle$$

- direct measurement of population dynamics impossible
- pump-probe experiments are performed

Simulation of pump-probe spectra

