Topics on Control

Group	Room	Moderator
1	TCPL201	Ian Peterson
2	TCPL202	Matthew James
3	TCPL Foyer	Barry Sanders
4	TCPL107	Edmond Jonckheere

Feedback session in 201 moderated by André Bandrauk.

Questions

➤ Topics on Control

- ● Adiabatic passage – adiabatic control – adiabatic computing
- ● Error control = coherent control?
  - – Is it useful to think of quantum error correction as feedback control?
- ● Back reaction deleterious to control?
  - – Control via measurement backaction?
- ● Conditions for approximating locality? Dense $\rightarrow$ sparse matrix?
- ● Why RWA not efficient in not-adiabatic transport?
- ● $\Delta\Phi = 1/\sqrt{N} =$ coherent photon state, $\Delta\Phi = 1/N =$?
- ● Is measurment necesary for quantum control?
- ● Is robust stability relevant?
- ● How to use QFN for modelling?
  - – QHDL?