

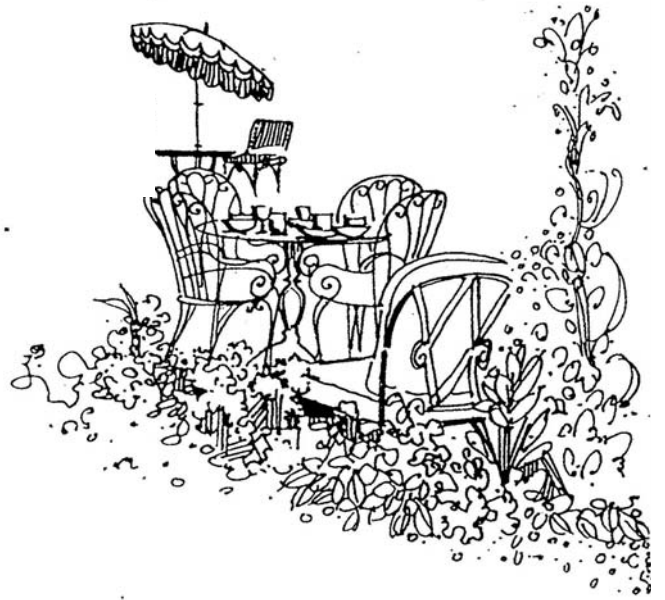
Chez Pierre

Presents ...

Monday, November 30, 2009

12:00pm

MIT Room 4-331



Subir Sachdev

Harvard University

“Quantum Criticality and the Phase Diagram of the Cuprates”

I discuss a phase diagram for the cuprates as a function of temperature, applied magnetic field, and hole/electron doping. The main ingredients are spin density wave ordering, d-wave superconductivity, and changes in Fermi surface topology. This phase diagram is used to interpret a number of recent experiments. I will also describe theories of some key features of the phase diagram.