Spirals in the t-J model and structure of the Spin-Glass State of La(2-x)SrxCuO4.

There are numerous experimental data that indicate incommensurate
spin structures in cuprates. The most systematic studies have been
performed for La(2-x)SrxCuO4. A short review of the data for
this compound will be presented.
A spin spiral is the most natural and simple solution that arises in a
weakly doped t-J model. In spite of simplicity the solution has
fundamental problems. These problems have been resolved recently for the
insulating "spin-glass" state of La(2-x)SrxCuO4.
The theory allows us to explain quantitatively a number of effects that
have not been understood before. This includes incommensurate neutron
scattering, the anisotropy of in plane conductivity, negative
magnetoresistance, etc.