

## Summary – Index (1):

### Radiative Transfer for Polarized Radiation.

- Stokes parameters, Jones parameters, Mueller matrixes and Jones matrixes
- Equation of radiative transfer for polarized light
- Zeeman effect
- Selected properties of the Stokes profiles, ME solutions, etc.

### Instrumentation:

- Polarimeters, including magnetographs
- Instrumental Polarization

### Inversion Techniques:

- General ingredients
- Examples, including the magnetograph equation

## Summary – Index (2):

### Examples of Solar Magnetometry:

- Kitt Peak Synoptic maps
- Line ratio method
- Broad Band Circular Polarization of Sunspots
- Reverse polarity in penumbrae
- Quiet Sun Magnetic fields

### Advanced Solar magnetometry.

- Hanle effect based magnetometry
- Magnetometry based on lines with hyperfine structure
- He 1083nm chromospheric magnetometry
- Polarimeters on board Hinode
- Your favorite topic ... if I can address it!!!

goto end

