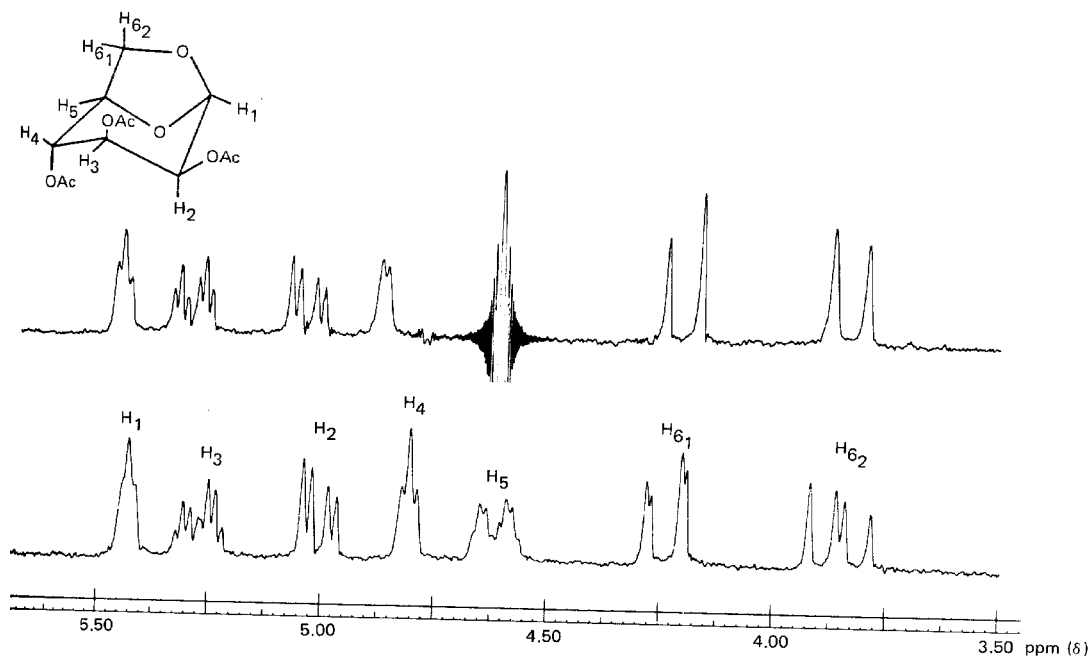


Multiple Irradiation



- What technique was used to produce the spectra shown above?
- What information is gained from the analysis of the two spectra?
- What causes the signals of the methylene group with the H₆ atoms to show up as a doublet of doublets in the top spectrum?
- Estimate the two $J(\text{H}_5, \text{H}_6)$ values using Karplus analysis.