

Exercise 4

Inversion of SPINOR data

SPINOR: Spectro Polarimeter for Infrared and Optical Regions (NSO/HAO)
@ Dunn Solar Telescope on Sacramento Peak

Multiline inversion including blends

1. Select the spectral regions around the Fe I lines:
1562.1, 1563.2, 1564.5 (blended with 64.85 & 65.29), 1566.2 (blended with 66.5)
2. Write the profile and grid files
3. Invert, including micro- and macro-turbulence (because we have not used PSF). Use 2 cycles to obtain gradients (because we have several lines), increasing number of nodes in 2nd cycle.