

READ THE SPECTROMETER DATA DETERMINE THE MEAN VALUES, STANDARD DEVIATION, DC CORRECTION

LAURA MIHAI

Objectives

- 1) Read spectrometer data (excel data) → 100 scans when radiated at 4 different luminance levels
- 2) Calculate the mean value for the 100 scans for each luminance level
- 3) Calculate the standard deviation corresponding to the 100 scans for each luminance level
- 4) Read spectrometer dark noise data → 100 scans
- 5) Calculate the mean value for the 100 scans of dark signal
- 6) Calculate the standard deviation corresponding to the 100 scans of dark signal

Plot data



