

Computational Physics Problem Set 6

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GitHub: <https://github.com/jferrante25/physga-2000>

1 Problem 1

Part A: See Figure 1. There are peaks in the spectra corresponding to hydrogen emission lines.

Part B: See code

Part C: See code

Part D: See code, See Figure 2

Part E: See code

Part F: See code

Part G: See code

Part H: See code

Part I: see code

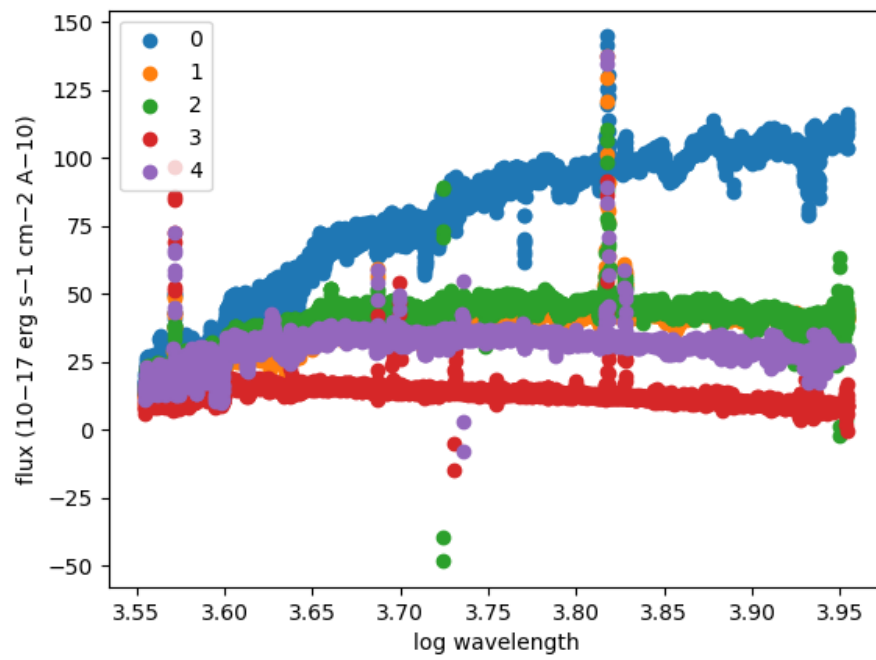


Figure 1: Plot of the spectra for five galaxies.

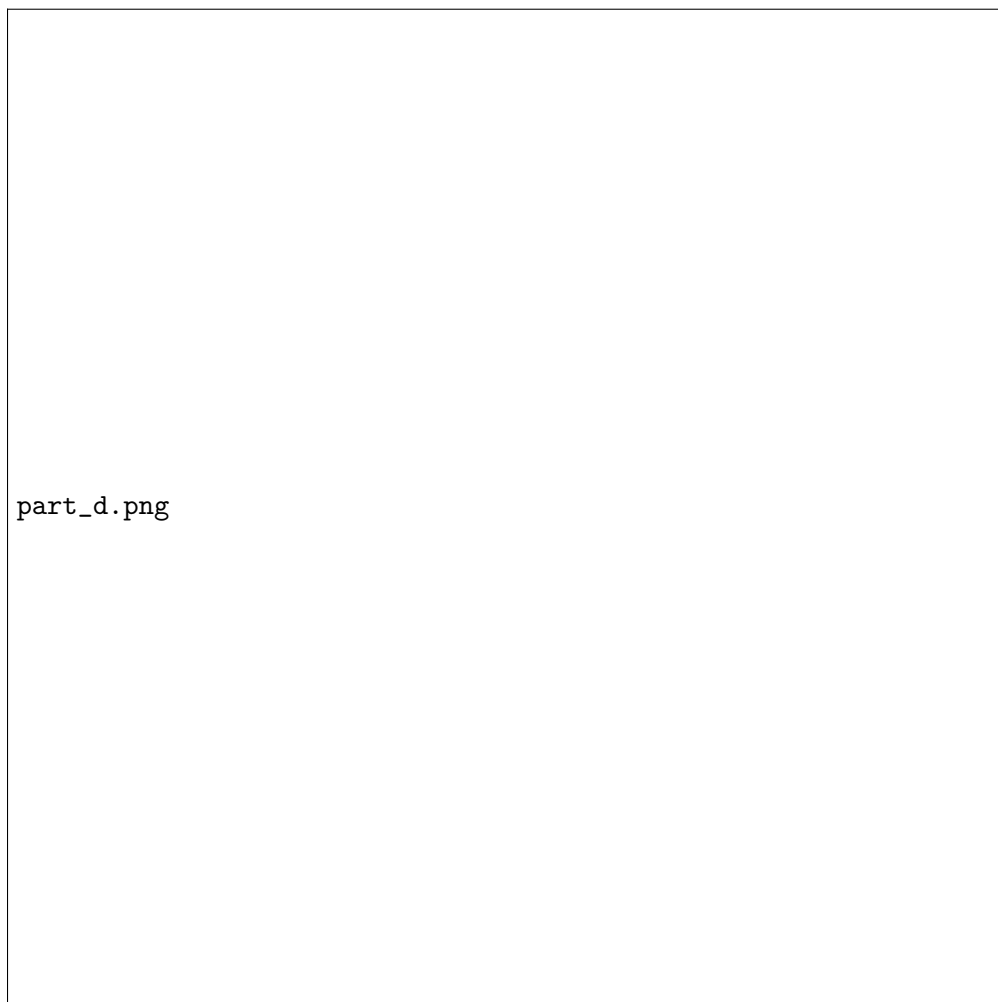


Figure 2: Plot of the first five eigenvectors.