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The nearby field galaxy survey

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# The Nearby Field Galaxy Survey

## a spectrophotometric study of 196 galaxies in the local field

**Cover:**

Running from the near ultra-violet (365 nm, left on the back cover) to the far red (705 nm, right on the front cover) the integrated spectrum of irregular galaxy A11592-+6237 is shown. It displays the relatively strong blue continuum and the nebular emission lines that are typical for actively star forming galaxies. A11592+6237 is a good example of a galaxy with a very large [O II] / H$\alpha$ ratio (chapter 4 of this thesis). [O II] (373 nm, violet) and H$\alpha$ (656 nm, red) are the two strongest emission lines seen in this spectrum.

The back cover also shows a gallery of the *B* filter (blue light) images of all galaxies observed in the Nearby Field Galaxy Survey. The images have been ordered according to their morphological type from left (early type: elliptical) to right (late type: irregular / peculiar), and according to their absolute blue magnitude from top (luminous) to bottom (faint). The apparent sizes of the galaxies in this gallery do not reflect their physical sizes: galaxies at the top left are 20 times bigger ($\sim$30 kpc, assuming $H_0$=100 km s$^{-1}$ Mpc$^{-1}$) than those at the lower right (1.5 kpc).

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*It's tough*
*to make predictions,*
*especially about*
*the future.*

*— Yogi Berra.*
*(free after Niels Bohr)*

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