

## THE CORRELATIONS BETWEEN UV AND OPTICAL SPECTRAL PROPERTIES

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We assume that the correlations between different spectral features reflect the kinematical and physical properties of the emission regions. In order to investigate the different emission regions of the Active Galactic Nuclei (AGN), we investigate the correlations between UV and optical spectral properties in the large sample of AGN spectra (293) obtained from Sloan Digital Sky Survey (SDSS). In order to analyze the emission lines, the first step was to subtract the UV pseudocontinuum. The new model of UV pseudocontinuum is presented which enable calculation of the Balmer continuum intensity using the strong Balmer lines. The obtained line and continuum parameters are analyzed and several interesting correlations are found, which need physical explanation in farther investigation. Also, we found kinematical connection between the optical and UV Fe II lines with cores of the Balmer lines and Mg II.