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KINEMATICS OF EXTENDED IONIZED-GAS REGIONS AROUND ACTIVE GALAXIES

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In modern concept active galactic nuclei (AGN) are supermassive black holes with accretion of the external matter. Often, the reason of the accretion is galaxies' interaction. According "unified AGN model", ionization cones are the regions in which most part of the UV and optical radiation concentrates. These cones are able to ionize gas not only in the galactic disk but beyond it. In present work we analyzed in detail kinematics of the extended ionised-gas regions in several Seyfert galaxies using 3 D spectroscopic data obtained at the 6-m Russian telescope with the multi-mode focal reducer SCORPIO-2. We built kinematic models of the gas motions. Also we choose preliminary initial conditions of the galaxies' interactions using the numerical calculations database GalMer.