

**SCANNING FABRY-PEROT INTERFEROMETER
IN THE EXTRAGALACTIC RESEARCHES**

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The scanning Fabry-Perot interferometer (IFP) is a powerful tool for investigation of kinematics of extended objects by the method of panoramic spectroscopy. IFP allows to obtain a spectral information simultaneously in a large field of view. In this review a main idea of this technique and history of its applications in the astronomy are considered. The opportunities of the IFP are illustrated by the modern observational data from the 6m Russian telescope (SAO RAS). We show some results concerning objects with complex ionized gas kinematics: AGN, barred and spiral galaxies, polar-ring objects etc.