

Moving cores in MOJAVE sample

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A common way to study kinematics of a jet is to presume that its apparent core is stationary and could be used as a reference point. It was shown recently that in several sources the movement of the apparent core could be detected with both astrometric and self-referencing techniques. With our new method applied to the MOJAVE sample, we have detected that the motion is significant for many sources and, for some, could be explained by changing opacity at the apparent core during a radio flare. Further on, the method could be used for improving both kinematic measurements in AGN jets and astrometric measurements.