

Abstract Submitted
for the APR12 Meeting of
The American Physical Society

Solar System Radio Astronomy at The College of New Jersey¹

JOSEPH BENIGNO, The College of New Jersey — Our group at The College of New Jersey built a double dipole radio telescope as a contribution to NASA's Radio JOVE Program. We present observations of flares from Jupiter and the Sun and we give a brief description of the dominant physical mechanisms producing the radio waves from these two dominant sources of solar system radio emission. More recently we have built a basic radio interferometer with an 80 m baseline using two of these Radio JOVE double-dipoles. We describe the principles of interferometry as applicable to this telescope and present preliminary measurements made with this simple interferometer.

¹The College of New Jersey

Joseph Benigno
The College of New Jersey

Date submitted: 05 Jan 2012

Electronic form version 1.4