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Spectroscopic Examination of Molecular Spectra in Mixture Gaseous Microwave Discharge (N2-O2 and N2-H2) HAO TAN, ATSUSHI NEZU, HIROSHI AKATSUKA, Tokyo Institute of Technology — We develop some theoretical calculations of spectra of molecular electronic transitions. By using spectroscopic measurement, spectra range at 200-800-nm can be obtained and are compared with the calculation results to exam the molecular properties. We use N_2 -H₂ microwave discharge to exam NH and N_2 -O₂ microwave discharge to exam NO.

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