

## Relationship between power form and discharge type in DBD

Won Bong Jung and Hong Young Chang

Department of Physics, Korea Advanced Institute of Science and Technology,

Excimer dielectric barrier discharge is one prospect method of generation ultra violet. Various experiment conditions were studied for maximum light radiation. And it is known that homogeneous discharges are more proper for generating excimers. Using pulse, Rf and Rf pulse modulation form, we measure the emission and voltage-current characteristics for inert gas dielectric barrier discharge. Pulse power DBDs make homogeneous discharge easily. And emission data show that homogeneous discharges have advantages over filamentary discharges