

Opto-electronic method for plasma velocity measurements

Dieter Gold

A novel opto-electronic method to measure the temporal variations of the spatial plasma-luminosity-distribution has been developped and used to investigate a thermal rf induction plasma. With this "Plasmoscope", the turbulence of and the disturbances in the plasma flame were studied and the velocity of the plasma as well as that of injected particles were measured.

Dr. Dieter Gold  
Institut für Industrielle Elektronik  
Technische Hochschule Wien  
Gusshausstraße 27,  
A-1040 Wien / Österreich