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## MICROWAVE CAVITY DISCHARGES IN A SUPERSONIC FLOW



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Microwave Cavity  
Discharges in a Supersonic  
Flow  
a Detailed Characterization



Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | a Detailed Characterization | Characterization of supersonic flowing discharges (SFD) is important to many applications in aerospace, like plasma-assisted supersonic combustion. In conditions close to the real combustion environment, a cylindrical microwave cavity was used to study the effects of H<sub>2</sub> and air admixtures to plasma parameters in an Ar SFD. Ar and H<sub>2</sub> were chosen since their atomic and molecular structure are well known. However, the presence of H<sub>2</sub>, N<sub>2</sub>, and...

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- Authored by Drake, Dereth J.
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