



Glenn Research Center



Microgravity Combustion Findings

- Major differences between 1-g and microgravity flames.
- Totally new phenomena have been observed.
- Flammability limits may be different (lower) than in 1-g.
- Different structures in gas jet diffusion flames.
- Soot formation is different.
- Radiative heat loss, heat reabsorption, and radiative feedback effects are more easily observed.