Module-9: High temperature viscous flows and solution strategies

Questions:

1. How flows are classified based on reactions?
2. Develop a C program for quasi-1D nozzle flow with equilibrium flow assumption.
3. Plot the shock shape for perfect gas, equilibrium and non-equilibrium flow situations.
4. How is break down of continuum assumption quantified?
5. List the situation where knowledge of rarefied gas dynamics is essential.
6. What are obvious complication in solution strategies in the presence of radiation?