

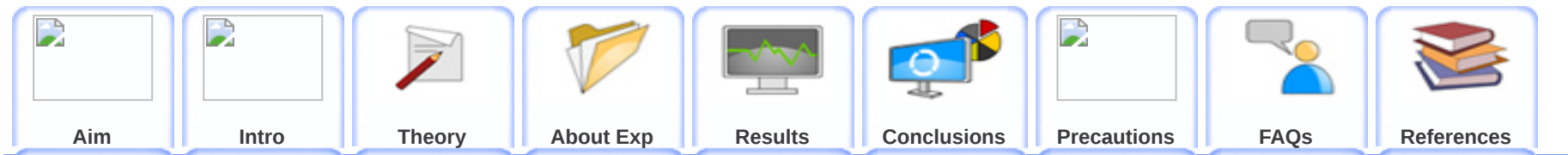


# Virtual Combustion and Atomization Laboratory IIT Kanpur



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Expt 4:



## Aim Of Experiment

- To have an appreciation of jet diffusion flame.
- To understand the concept of laminar jet diffusion flame height.
- To derive a relation between laminar jet diffusion flame height and volumetric fuel flow rate through phenomenological analysis.
- To observe the effect of volumetric fuel flow rate on laminar jet diffusion flame height through experiments.
- To compare the experimental results with Roper's empirical formula.