

Efficiency of xHLFC system at off-design conditions for short range aircraft

Master thesis/Student project

Study objectives:

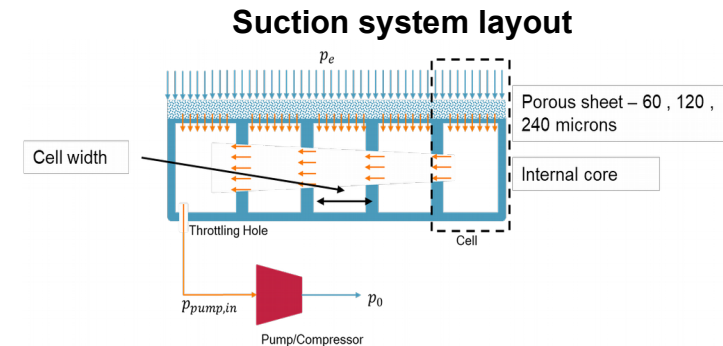
- Formulate efficiency matrix for HLFC on a finite wing
- Compute the aerodynamic power of HLFC system for given wing design
- Evaluate the efficiency and performance of HLFC system in off-design conditions (i.e. landing, take-off, climbing and manoeuvring)

Tools:

- Matlab code

Required:

- Master student who completed his course work in mechanical engineering



Start date: From Sep. 2021

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