

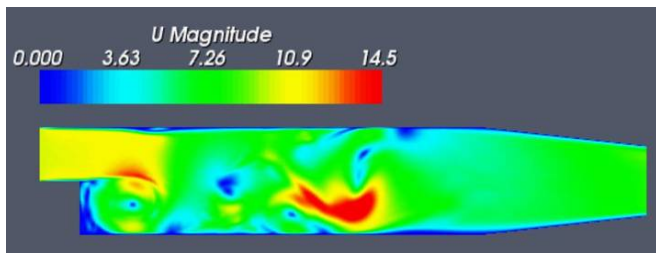


Heat Transfer Laboratory

Department of Mechanical Engineering, Iran University of Science and Technology

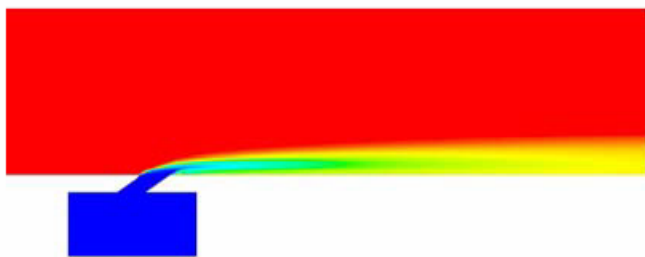
Research Activities

- Computational Heat Transfer
- Turbulent Heat Transfer Modeling
- Film Cooling and Jet Impingement Cooling
- Combined Convection/Thermal Radiation
- Gas Turbine Engine Heat Transfer
- Two-Phase Heat Transfer
- Enhanced Heat Transfer
- Heat Exchangers



Equipment

- Thermal Conductivity Measurement Units
- Boiling Heat Transfer Unit
- Heat Exchanger Performance Unit
- Thermal Radiation Unit
- Air Wind Tunnel (Fins Performance Measurement)



Software

- FLUENT CFD Package:
FLUENT, GAMBIT, AIRPAK, ICEPAK
- Special-Purpose Software Development

