5ME4-22: HEAT TRANSFER LAB

1 To Determine Thermal Conductivity of Insulating Powders- https://youtu.be/0xtcHlOwT88

. 2 To Determine Thermal Conductivity of a Good Conductor of Heat (Metal Rod). - https://youtu.be/-Xe2TM8biZA

3 To determine the transfer Rate and Temperature Distribution for a Pin Fin. - https://youtu.be/jVW891LzrxU

4 To Measure the Emissivity of the Test plate Surface. - https://youtu.be/3VKZdT5_zVY

5 To Determine Stefan Boltzmann Constant of Radiation Heat Transfer. - https://youtu.be/MUAc_pAMNig

6 To Determine the Surface Heat Transfer Coefficient For Heated Vertical Cylinder in Natural Convection. – https://youtu.be/W1yJwreRYwg

7 Determination of Heat Transfer Coefficient in Drop Wise and Film Wise condensation. - https://youtu.be/smtTByJ2k3I

8 To Determine Critical Heat Flux in Saturated Pool Boiling. - https://youtu.be/BLDg7s6rE3E

9 To Study and Compare LMTD and Effectiveness in Parallel and Counter Flow Heat Exchangers. - https://youtu.be/w9A_0IlJrdg

10 To Find the Heat transfer Coefficient in Forced Convection in a tube. - https://youtu.be/0Vd0_ValiDM

11 To study the rates of heat transfer for different materials and geometries - https://youtu.be/m7PvME2UzSY

12 To understand the importance and validity of engineering assumptions through the lumped heat capacity method.- https://youtu.be/Di8G5iPDPEQ