

**Purdue University
School of Nuclear Engineering
NUCL 355 - Nuclear Thermal-Hydraulics Laboratory**

Prelab 12: Pool Boiling

Use Zuber's pool boiling CHF correlation to estimate the current at which a 0.5 mm. diameter nickel wire will burn out when submerged in water at atmospheric pressure. The electrical resistance of the wire is 0.150 Ω/m .