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W_1 Is The Input Coolant Temperature ($^{\circ}\text{C}$), A Is The Heat Transfer Area (m^2) And C_p Is The Specific Heat Capacity Of Water (J/kgC). If The Correlation Is Correct A Plot Of $\ln T_{\text{mean}}$ Vs Time Should Give A Straight Line Whose Slope Can Be Used To Calculate Beta Eq.(2) And Hence The Overall Heat Transfer Coefficient Eq.(3). 3th, 2024

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