

MSAE 4201 Homework #2

Yitian Wang

Columbia University
January 26, 2020

1.[10 points] A vessel containing 10 kg of water having a temperature of 50 C and another vessel containing 5 kg of what of 25 C are put into thermal contact and then thermally isolated from the surroundings. What will be the temperature of the water in the vessels when thermal equilibrium has been reached? (NB The heat involved in changing the temperature of the vessels when empty may be neglected.)