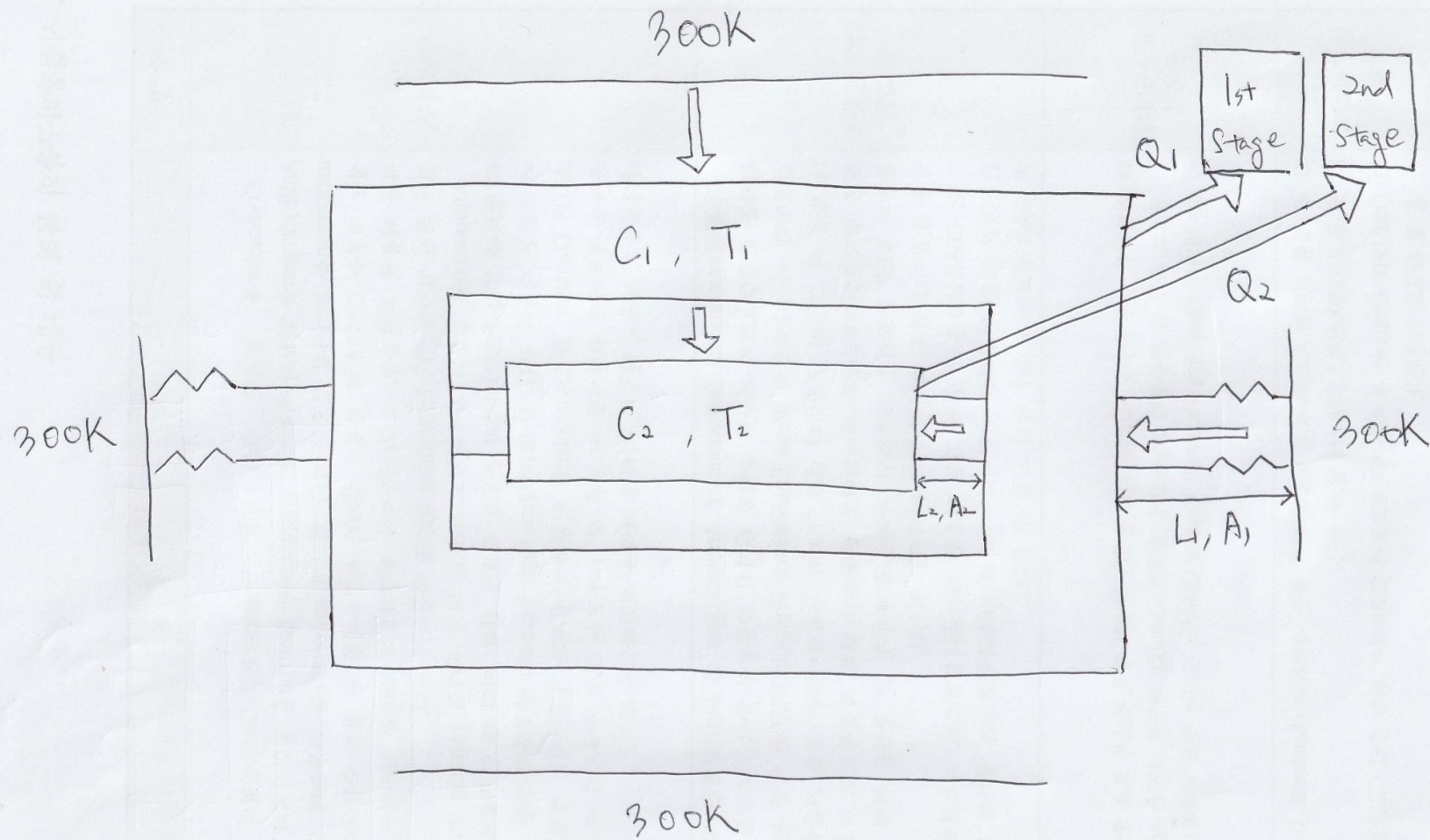


GBAR Trap Meeting

Seoul National University

22.Mar.2019



$$C_1 dT_1 = \left[\frac{k A_1 (300 - T_1)}{L_1} + 6 S_1 E_1 (300^4 - T_1^4) - Q_1(T_1, T_2) \right] dt$$

$$C_2 dT_2 = \left[\frac{k A_2 (T_1 - T_2)}{L_2} + 6 S_2 E_2 (T_1^4 - T_2^4) - Q_2(T_1, T_2) \right] dt.$$

		$= 0.50 \text{ J/g}\cdot\text{K}$		
베리얼도	비열	$0.12 \text{ cal/g}\cdot\text{K}$	밀도	8.96 g/cm^3
구리	비열	$0.092 \text{ cal/g}\cdot\text{K}$	밀도	7.93 g/cm^3
		$= 0.38$		

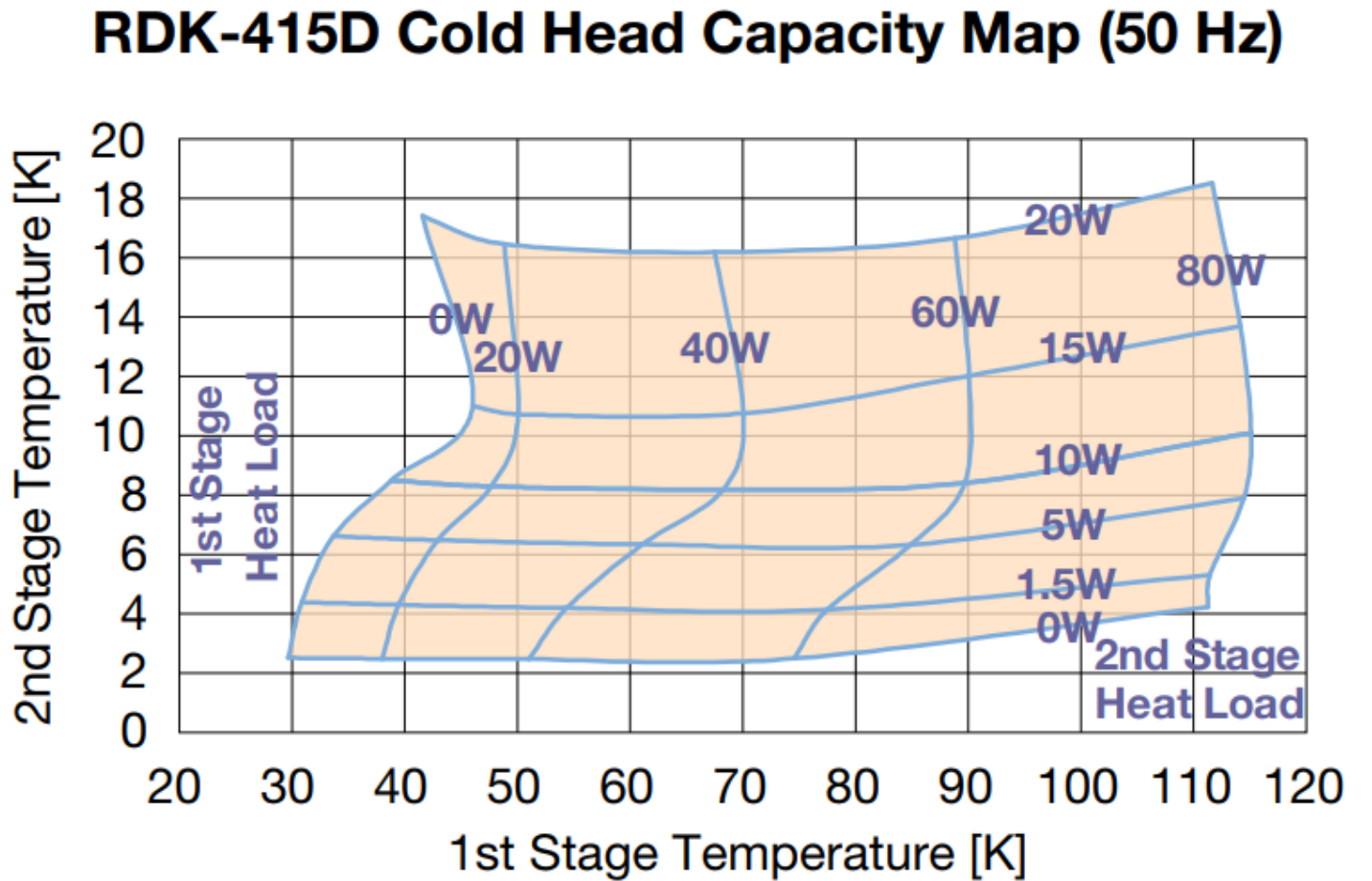
총 열용량: $c_p V = 0.50 \times 8.96 \times 1978.45 = 8869.45$

shield.

$$c_p V = 7079.71$$

Cu Cylinder Length

- Cooling Simulation



Thank You!