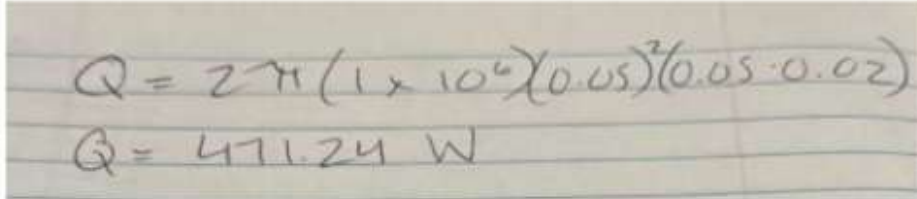


Analysis:



A photograph of a piece of lined paper with handwritten mathematical equations. The first equation is $Q = 2\pi (1 \times 10^6) (0.05)^2 (0.05 \cdot 0.02)$. The second equation is $Q = 471.24 \text{ W}$.

$$Q = 2\pi (1 \times 10^6) (0.05)^2 (0.05 \cdot 0.02)$$
$$Q = 471.24 \text{ W}$$

Comparing this value to my COMSOL surface value of 470.83 this proves to be correct.

My value compared to the analytic value has only a 0.087% error. This proves COMSOL is a useful tool.

Subtract 0.01 from Final Result Correctness, very small difference in answer but my calculation error is still very low.

FINAL SELF GRADE:

Writing Rubric- 9.8/10.0

PROBLEM 1)- 10/10

PROBLEM 2)- 5.44/6

FINAL GRADE:

$9.8 + (80/2) * (10/10 + 5.44/6) = 86.06$ total grade