

22. Capillaries

Team Croatia

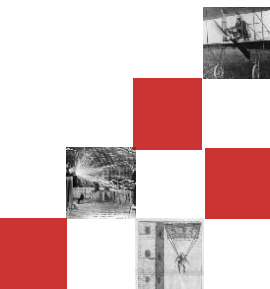
Opponent: Dominik Čondić Bijader



Problem statement

Estimate experimentally the diameter of capillaries in paper or textile fabric.

problem solved: partially



The solution: Theory

Pros:

- mention cohesion, surface tension, Jurin's law
- well explained
 - useful considering their parameters

Cons:

- did not explain their formulas
- did not state how does weight affect it



The solution: Experiment

Pros:

used three different materials

Cons:

- no experimental setup
- **no hypotheses**
- did not state the materials they used
- did not state how they measured radius
- did not state how many repetitions they had
- did not mention material dimension



The solution:

Results and conclusion

Pros:

- had graphical results

Cons:

graphs do not have axis title
or measurement unit
no error bars



Points for discussion

- hypotheses?
- weight and elongation
- effect of material density
- contact angle and results
- repetitions and errors
- possible errors



Thank you!

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