Opposition: Rijke‘s tube

Reporter:
Opponent: Switzerland
Problem

10. Rijke's tube

If air inside a vertical cylindrical tube open at both ends is heated, the tube produces sound. Study this effect.

Build a Rijke’s tube

Find out why it makes a sound and what relevant parameters affect it.

Task partially fulfilled
Outline of Report

Rijke’s tube phenomenon → Theory: standings waves → Theory: Rijke’s tube → Parameters

Conclusion → Analysis → Experiments
Strengths and Weaknesses

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Discussion