OVERVIEW OF THE OPPONENT

TEAM

TASK

1. **2D foam**

Soap foam enclosed between 2 glass sheets appears as a network of polygons. Such foams evolve with time, as individual bubbles move and coalesce, and the liquid drains out. Investigate the structure and evolution of 2D foams

EVALUATION OF THE THEORY

STRENGHTS

-Good qualitive description of soap films

WEAKNESSES

-Does not predict any of the results

-No quantatitive description

EVALUATION OF THE MEASUREMENTS

STRENGHTS

- Well designed experiment

WEAKNESSES

-No quantitive description of the evolution and structure

-No variatoion of spacing

-Do not vary soap concentration

-Only investigate a small portion of the foam

POINTS FOR DISCUSSION

- What parameters quantify the evolution of the foam?
- What quantifies the structure of the foam?
- Do the results depend on the type of soap used?
- Is the foam always 2D?
- Does the amount of liquid used for the foam affect its structure/evolution?
- How does the foam evolve?