

RESEARCH PROJECT 2022-2023

Department/Area

Materials

Title/Name

Design and optimization of an optical goniometer to determine surface energy

Abstract/Description

The measurement of surface tension and wettability of materials is fundamental for multiple applications (adhesion, coating, biology, hydrophobicity, etc.). The objectives of this project are the setting-up of an equipment for the measurement of these properties and the development of a method for surface tension calculation.

Prerequisites

Required	Matlab
Recommended	CAD software

Supervisor(s)/Tutor(s)

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Structure

Format	Both are available
Workload	100 hours (4 ECTS) / 200 hours (8 ECTS) <i>Both</i>
Students	2