

Design and optimization of an Halbach array of permanent magnets to study the dynamic of magnetic particles in an elastomer matrix

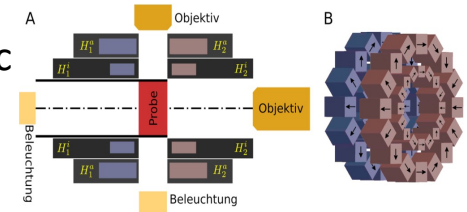


Goal

- Redesign, optimize, and build an experimental setup to study the dynamic behavior of magnetic particles in viscoelastic matrices.

Responsibilities

- a) Work on the completion and optimization of a half-built experimental setup:
 - Refining the existing design (<http://dx.doi.org/10.1039/C5SM01814E>) and
 - Making necessary adjustments to improve functionality and efficiency.
- Collaborate closely with our mechanical workshop.
- Maintain regular communication with the research team and mechanical workshop.



We are looking for students in the Master or Diplom course

- With proficiency in advanced design software (Inventor or AutoCAD).

We look forward to your response!

Dr. Günter K. Auernhammer, auernhammer@ipfdd.de

