



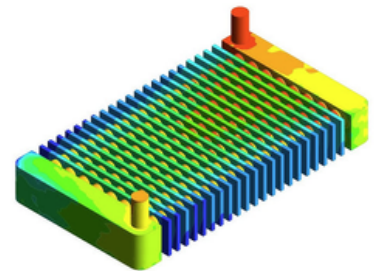
RESEARCH THESIS

Radiator

The University of Stuttgart Racing Team is offering a research project focused on developing a custom radiator. The goal is to design, construct, and evaluate an efficient cooling system for a Formula Student vehicle.

As part of the project, existing solutions will be analyzed, and a custom concept will be developed based on this analysis. The design will be carried out using thermal calculations and optional simulations (e.g., CFD). The radiator will then be built.

Another key focus is on validating the developed system. Here, the thermal performance will be verified through simulations and/or experimental tests. Measurement results will be compared with the calculated values to verify models and optimize them in a targeted manner.



Tasks:

- Thermal Design
- Construction
- Validation

Requirements:

- CAD-Experience
- Thermodynamic Knowledge
- Optional: CFD Experience