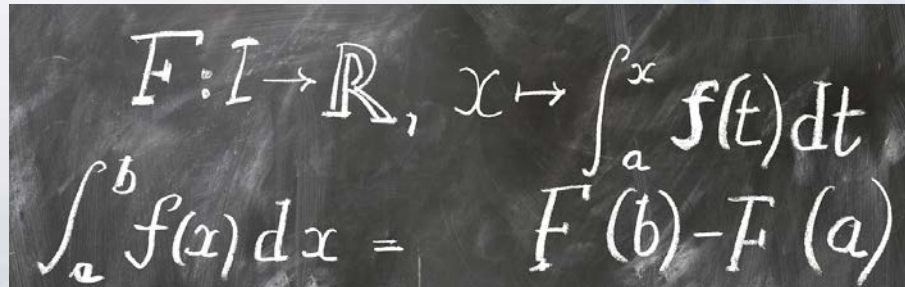


Strengthening the Link between Aerospace Engineering and Maths

How to bridge the gap?


$$\Delta x \cdot \Delta p \sim h$$




$$F: I \rightarrow \mathbb{R}, x \mapsto \int_a^x f(t) dt$$
$$\int_a^b f(x) dx = F(b) - F(a)$$

The project

Mathematics plays an important part in the bachelor curriculum of Aerospace Engineering. For students it is not always clear why. Frequently difficulties arise when mathematics has to be applied for engineering purposes. This project aims to integrate mathematics better into the curriculum of AE.

Objective & Research approach

- Analysis of the relevance of each mathematical course for the rest of the study programme
- Proposals for better integrations
- Choice of a course as pilot

Contact

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- Workshop with lecturers from EEMCS, AE and students of AE
- Revised proposal and implementation and evaluation

Outcomes

- Report describing the process (Dec 2017)
- Report with the outcomes of the workshop (Dec 2017)
- Lessons learned to approach similar issues in other faculties (in progress)
- Implementation of the new approach into the pilot course. (due Febr 2018)
- Report with the evaluation of the course in its new form (due April 2018)

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