



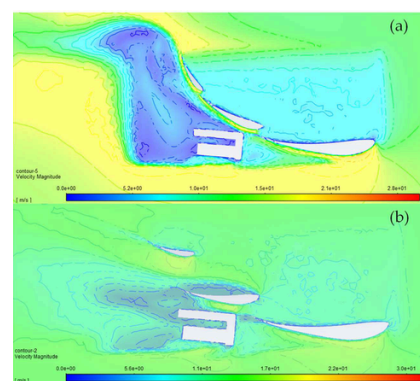
RESEARCH THESIS

Development of a DRS and corresponding RW Flap

We already have experience and history using DRS systems on the car. The objective: To take it a step further, develop the DRS System from working to maximum performance.

This includes both aerodynamic development of the rear wing flap with maximizing the effect of the DRS in mind. Special focus is placed on transient effects during opening and closing, as well as maximizing the aerodynamic benefit while maintaining stability and controllability.

In addition, the development of an intelligent control system is considered to actively manage the DRS behavior to ensure maximum downforce at corner entry and reduce the drivers workload.



https://www.mdpi.com/fluids/fluids-07-00309/article_deploy/html/images/fluids-07-00309-g010.png

Tasks:

- Part development rear wing to maximize effect
- Transient CFD simulation
- Programming of automated DRS
- Build and test DRS

Requirements:

- Advanced CFD Skills
- Knowledge in fluid dynamics
- CAD
- Programming Skills
- Become full-time team member