Management Center Innsbruck

Department of Technology & Life Sciences

Master's program Mechatronics & Smart Technologies

Report

composed as part of the course
WS 2024 Computational Methods of Fluid Dynamics
(MECH-M-3-CFD-NSM-VO)

about

Optimization Study of a flow heater

from

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Study program	Master's program Mechatronics & Smart Technologies
Year	MA-MECH-23-VZ
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Name of lecturer	Manuel Berger, PhD
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Chapter 1

Meshing of the Domain

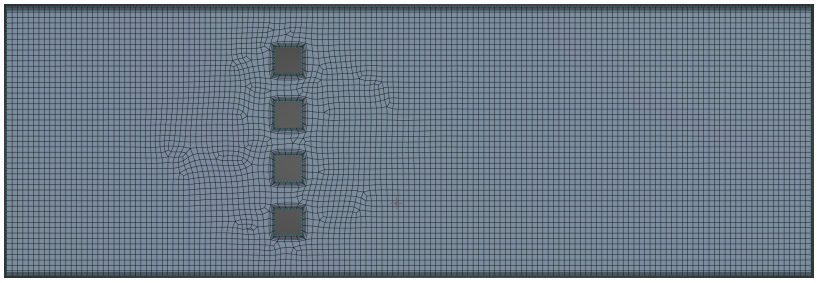

Figure 1.1. Full view of the base geometry meshing

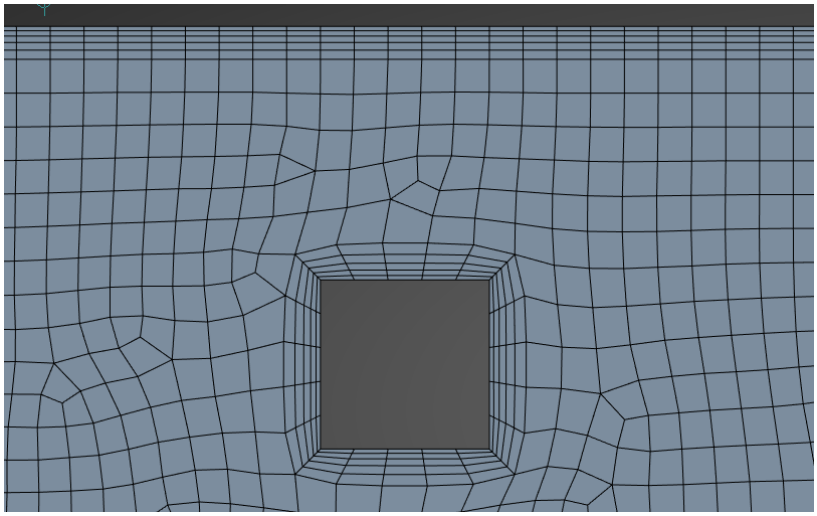

Figure 1.2. Detailed view of the base geometry meshing

Bibliography

List of Figures

Appendix A

MATLAB scripts

As attachment, all Matlab live scripts and Simiulink files used in in the context of this laboratory are submitted as *.mlx*-files and *.slx*-files. Additionally, the following live scripts are also directly attached to this report in written format:

- response_fitting_lab_data.mlx
- aerodynamic_state_observer_controller_init.mlx