

Title:

Optimization of Vortex Generators with Large Number of Parameters

People:

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Grant:

PhD Candidates

Short Description:

This project aims to optimize vortex generators by varying high number of parameters such as inclination angle, roll angle, height, base, etc... This will be done using a robust optimizer imbedded in StarCCM+ CFD software. The objective of this project is the intensification of fin and tube heat exchangers, i.e. reduce the pressure losses and increase the Nusselt number.

