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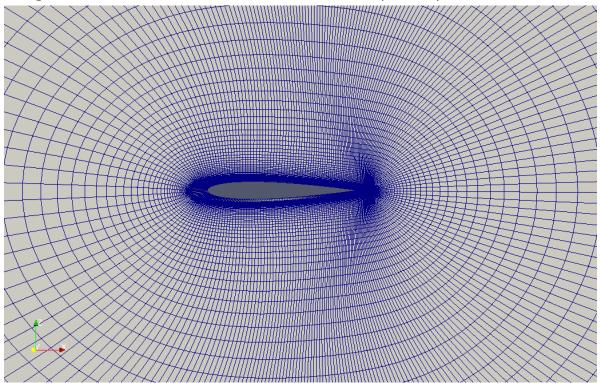
1. Introduction

This simulation is an analysis of NACA-0012 Airfoil. To simulate pressure and velocity field OpenFoam has been used.

2. Detalis

2.1. **Grid**

The grid that has been used comes from Nasa respository.



2.2. Solver description

The simpleFoam solver (which is steady-state solver for incompressible, turbulent flow) is used for both laminar and turbulent zones.

2.3. Turbulance model

The proposed turbulence model is SpalartAllmaras mode which is quite accurate for this simulation.

3. Results

The aim was to determine pressure and velocity field for small Reynolds numbers (500) as well as for the higher ones.

