

A 2D analogy of a Three-dimensional Problem of a Flow of a Viscous Incompressible Fluid through a Turbine

Tomáš Neustupa

Czech Technical University, Czech Republic

tomas.neustupa@fs.cvut.cz

Abstract

We aim to reduce the 3D problem of a flow of a viscous incompressible fluid through a rotating turbine wheel to an appropriate 2D problem on one spatial period.