

# On the role of anisotropy for the Navier-Stokes equations

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## **Abstract**

My very first mathematical discussions with Geneviève Raugel concerned the three-dimensional Navier-Stokes equations, in thin domains: her work in this subject, highlighting the role of anisotropy in the study of the Cauchy problem for the Navier-Stokes equation, was very influential for me. In this talk I will review some more or less recent works on the question.