



# Mathematical Tools for the Study of the Incompressible Navier-Stokes Equations and Related Models (Applied Mathematical Sciences)

By Franck Boyer, Pierre Fabrie



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The background needed are basic results in calculus, integration, and functional analysis. Some sections certainly contain more advanced topics than others. Nevertheless, the authors' aim is that graduate or PhD students, as well as researchers who are not specialized in nonlinear analysis or in mathematical fluid mechanics, can find a detailed introduction to this subject.

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“This book is a valuable contribution to the theory of Navier-Stokes equations and related models. It contains important existence, uniqueness and stability results, together with a rigorous analysis of all treated problems. It is warmly recommended to all researchers interested in modern nonlinear problems in fluid mechanics.” (Mirela Kohr, zbMATH, Vol. 1286, 2014)

From the Back Cover

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About the Author

Franck Boyer is a Professor at Aix-Marseille Université. Pierre Fabrie is a Professor at Université Bordeaux.

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