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Autore	Bodnár Tomás
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Nota di contenuto	On the stabilization problem by feedback control UCP of Static Over- determined Eigen-problems Flutter stabilization of a Flow-Plate System Turbulence control From model-based to machine learned Design Through Analysis.
Sommario/riassunto	This volume explores state-of-the-art developments in theoretical and applied fluid mechanics with a focus on stabilization and control. Chapters are based on lectures given at the summer school "Fluids under Control", held in Prague from August 23-27, 2021. With its accessible and flexible presentation, readers will be motivated to

1.

deepen their understanding of how mathematics and physics are connected. Specific topics covered include: Stabilization of the 3D Navier-Stokes system Flutter stabilization of flow-state systems Turbulence control Design through analysis Fluids Under Control will appeal to graduate students and researchers in both mathematics and physics. Because of the applications presented, it will also be of interest to engineers working on environmental and industrial issues.