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## RESEARCH PAPERS

### Flows in Complex Systems

- 091101 Improvement of the Performance of a Centrifugal Compressor by Modifying the Volute Inlet  
Semi Kim, Junyoung Park, Kukyoung Ahn, and Jehyun Baek
- 091102 Dynamic Modeling of Hydrokinetic Energy Extraction  
Veronica B. Miller and Laura A. Schaefer
- 091103 Impact of Fan Gap Flow on the Centrifugal Impeller Aerodynamics  
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- 091202 Critical Reynolds Number in Constant-Acceleration Pipe Flow From an Initial Steady Laminar State  
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### Multiphase Flows

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## TECHNOLOGY REVIEWS

- 094001 Reynolds Number Dependence, Scaling, and Dynamics of Turbulent Boundary Layers  
Joseph C. Klewicki

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