

## Dynamical Systems on Networks: A Tutorial (Frontiers in Applied Dynamical Systems: Reviews and Tutorials)

Mason A. Porter, James P. Gleeson



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## **Dynamical Systems on Networks: A Tutorial (Frontiers in Applied Dynamical Systems: Reviews and Tutorials)** Mason A. Porter, James P. Gleeson

This volume is a tutorial for the study of dynamical systems on networks. It discusses both methodology and models, including spreading models for social and biological contagions. The authors focus especially on "simple" situations that are analytically tractable, because they are insightful and provide useful springboards for the study of more complicated scenarios.

This tutorial, which also includes key pointers to the literature, should be helpful for junior and senior undergraduate students, graduate students, and researchers from mathematics, physics, and engineering who seek to study dynamical systems on networks but who may not have prior experience with graph theory or networks.

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