

# Modeling Complex and Interacting Contagions with Approximate Master Equations

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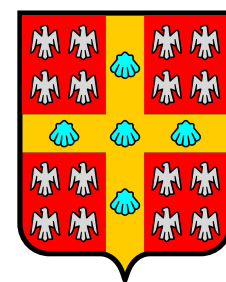
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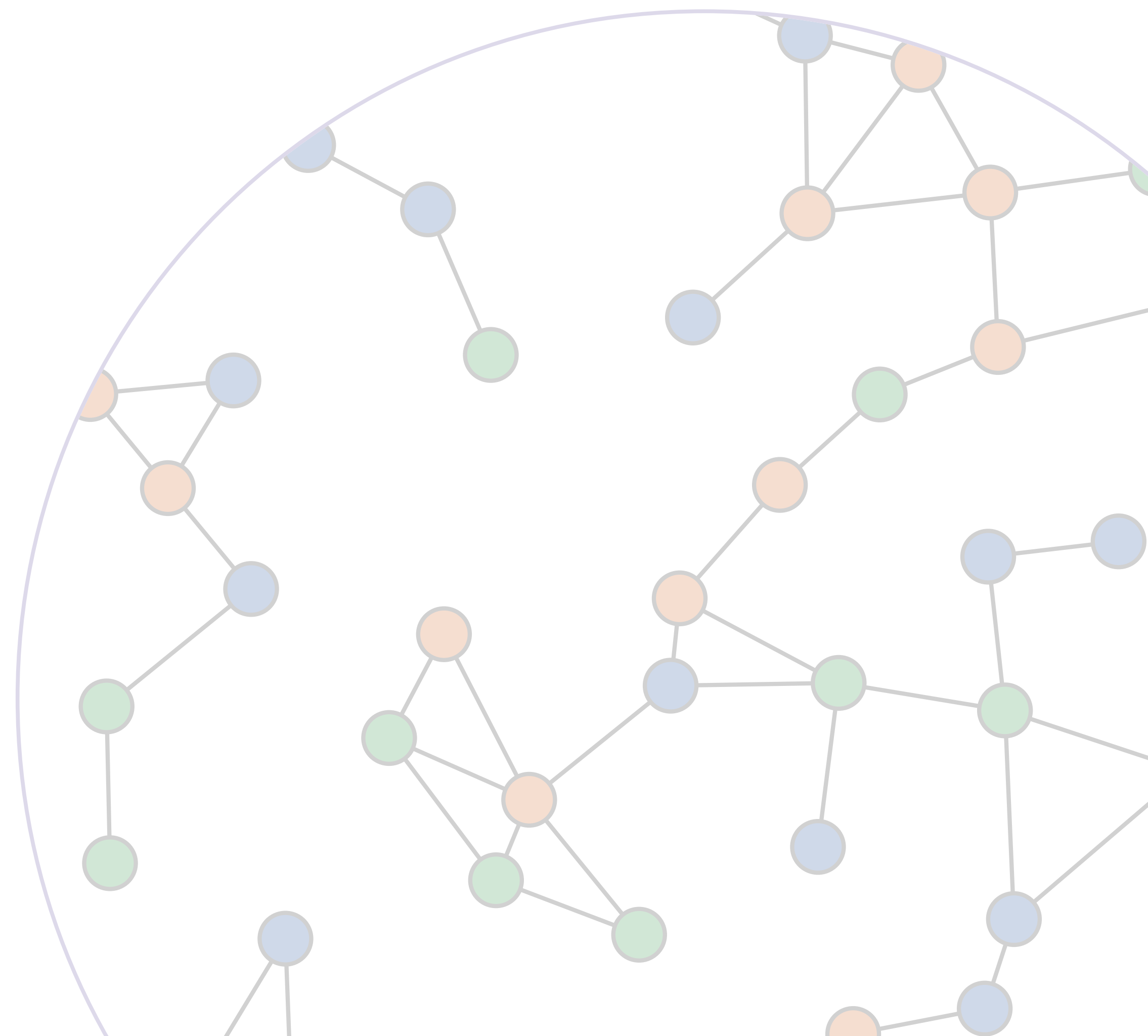
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# Outline

1. The model and its mathematical description
2. Some applications
  - (a) Mesoscopic localization
  - (b) Heterogeneous transmission settings
  - (c) Context-sensitive behavior