



LINMA2370 Modelling and Analysis of Dynamical Systems

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Academic year 2024-2025 - Q1



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Methodology

1.1 Theoretically

Steps to follow, in order to have an overview of the system:

- draw the system at rest/in useful mvt
- model the system with ODE's
- solve ODE system
- analyse the eigenvalues and how the system reacts
- deduce a qualitative/quantitative behaviour of the system

1.2 Example

Tacoma Narrows Bridge

Terminology and notation