MATH0488 – Stochastic Processes

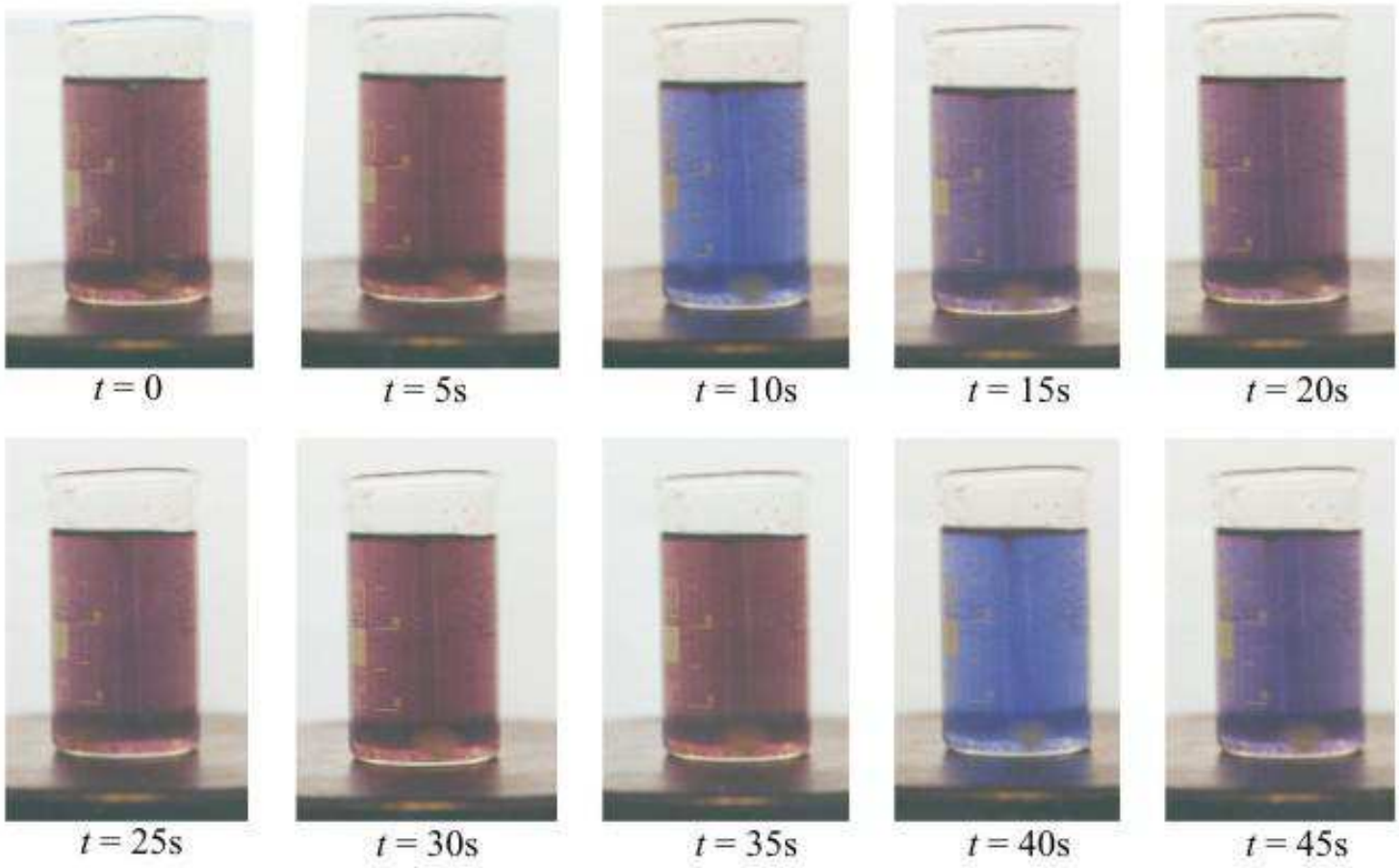
Stochastically perturbed bifurcation

Introduction

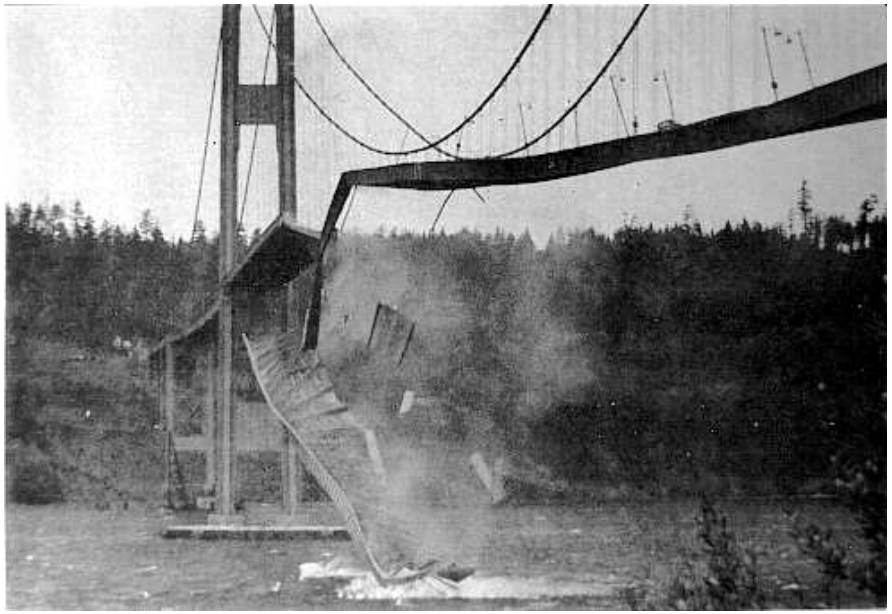
Maarten Arnst, Marco Lucio Cerquaglia, and Kavita Goyal

March 10, 2015

Motivation


$t = 0$
$t = 5$s
$t = 10$s
$t = 15$s
$t = 20$s
$t = 25$s
$t = 30$s
$t = 35$s
$t = 40$s
$t = 45$s

Motivation



Part 1 of 3: Buckling of perfect beam

Part 2 of 3: Numerical study of buckling of randomly imperfect beam

Part 3 of 3: Theoretical study of buckling of randomly imperfect beam

Agenda

- We will be meeting in building B37 room Amphi 2 from 10h45 to 12h45 at the following dates:

1	2	**3**	4	**5**	6	D
17/03	24/03	**31/03**	21/04	**28/04**	05/05	12/05
lecture	Q&A	**lecture**	Q&A	**lecture**	Q&A	defense

- Your presence is mandatory for the lectures:
  - Tuesday March 17, 10h45–12h45,
  - Tuesday March 31, 10h45–12h45,
  - Tuesday April 28, 10h45–12h45,

- If you should need some help, please attend the Q&A sessions or contact M. Arnst, M.L. Cerquaglia, or K. Goyal by email to ask a question by email or schedule an appointment.

- The project report must be sent in PDF format by email to M. Arnst before/on Wednesday May 6.

- Project presentations will be scheduled on Tuesday May 12 at a time and location to be set later.

Contact

- Maarten Arnst
  Chargé de cours
  Aérospatiale et Mécanique
  Office: B52 0/419
  Email: maarten.arnst@ulg.ac.be

- Marco Lucio Cerquaglia
  Doctorant
  Aérospatiale et Mécanique
  Office: B52 2/541
  Email: MarcoLucio.Cerquaglia@ulg.ac.be

- Kavita Goyal
  Postdoc
  Aérospatiale et Mécanique
  Office: B52 0/421
  Email: goyalkavita9@gmail.com