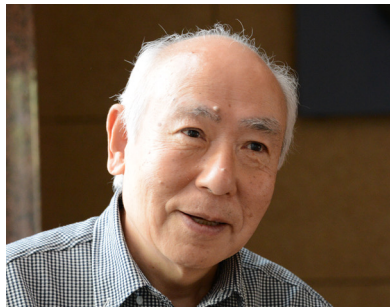


Nice to meet you!



Yoshiki Kuramoto
(Nonlinear science)

→
Supervisor Relation

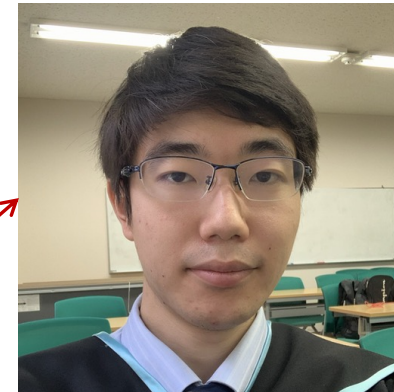


Hiroshi Kori
(Synchronization etc.)



Ryota Kobayashi
(Data science etc.)

UTokyo Nonlinear Physics Lab



Taichi Yamamoto (M2)

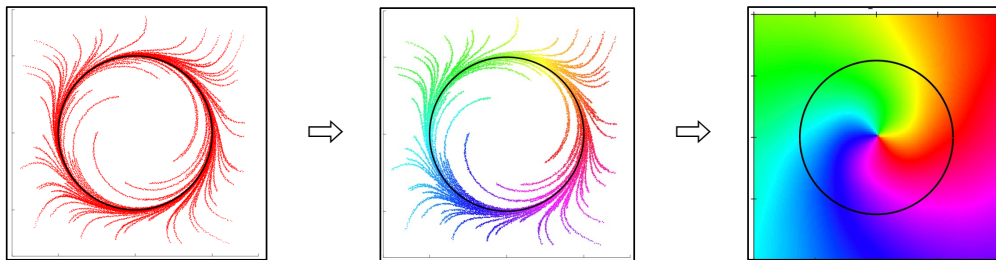
yamamoto-taichi913@g.ecc.u-tokyo.ac.jp

Interests:

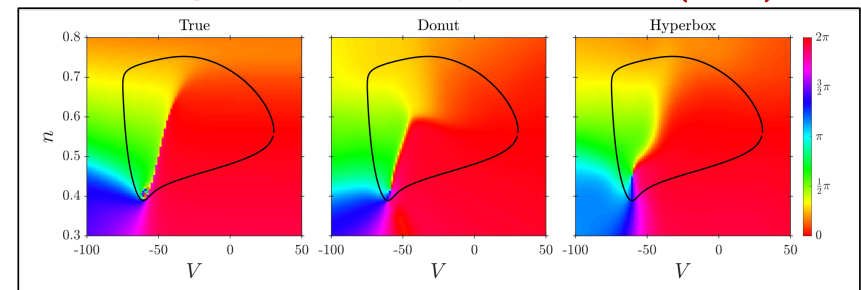
- Dynamics Reduction Theory
- Artificial Intelligence
- Koopman Operator
- Natural Computing

Estimating Asymptotic Phase Function of Limit-cycle Oscillators using Gaussian Process Regression

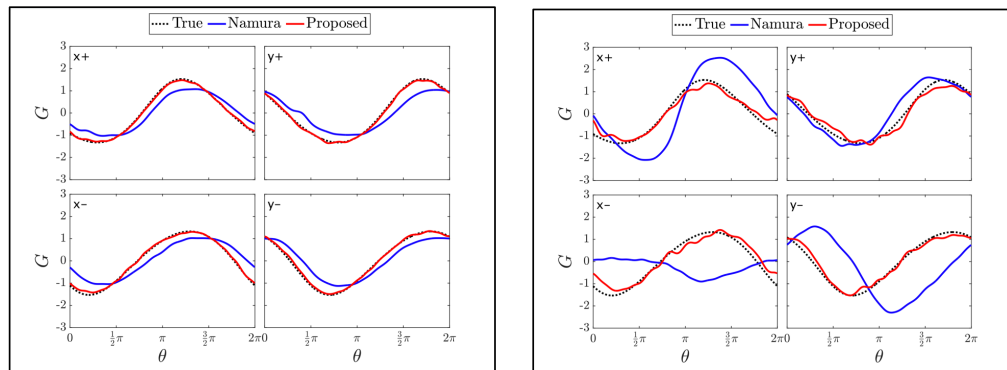
Time series data \rightarrow Phase function



Hodgkin-Huxley model (4D)



Robust against observation noise



Predicting nonlinear phase response

