Phase Reduction

Literature

Phase reduction approach to synchronization of nonlinear oscillators
Hiroya Nakao
Contemporary Physics 57.2 (2016): 188-214.
`https://arxiv.org/abs/1704.03293`

Please also find additional literature.

Topic

This review paper shows how arbitrary limit cycle oscillators, coupled on a network, can be reduced to a canonical phase description, amenable to unified study.

- Understand and present the paper, especially sections 1, 2, 3, and 5.1.

- Choose and present some applications of the theory