

Synchronization of Kuramoto oscillators

Yinglong Zhang

1) *Department of Mathematical Sciences, Industrial and Mathematical Data Analytics
Research Center, Seoul National University*

Email: yinglongzhang@amss.ac.cn

ABSTRACT

The synchronization of large populations of weakly coupled oscillators is a ubiquitous phenomenon in complex biological and physical systems. Such synchronization has received considerable attention because of its diverse applications. In this talk, I will introduce the Kuramoto model with frustration and talk about its synchronization dynamics.