

GPBL with RMIT students in Japan

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
November 23 ~November 30, 2020	Japan	Royal Melbourne Institute of Technology	Department of Engineering Science and Mechanics Department of Mechanical Engineering • Undergraduate 3rd grade • Undergraduate 4th grade • Master 1st grade • Master 2nd grade	(SIT) Students 9, TA 2, Professor 2 (Royal Melbourne Institute of Technology) Students 11, TA 1, Professor 2	ONO Naoki (Department of Engineering Science and Mechanics) SAITO Hiroyasu (Department of Engineering Science and Mechanics)

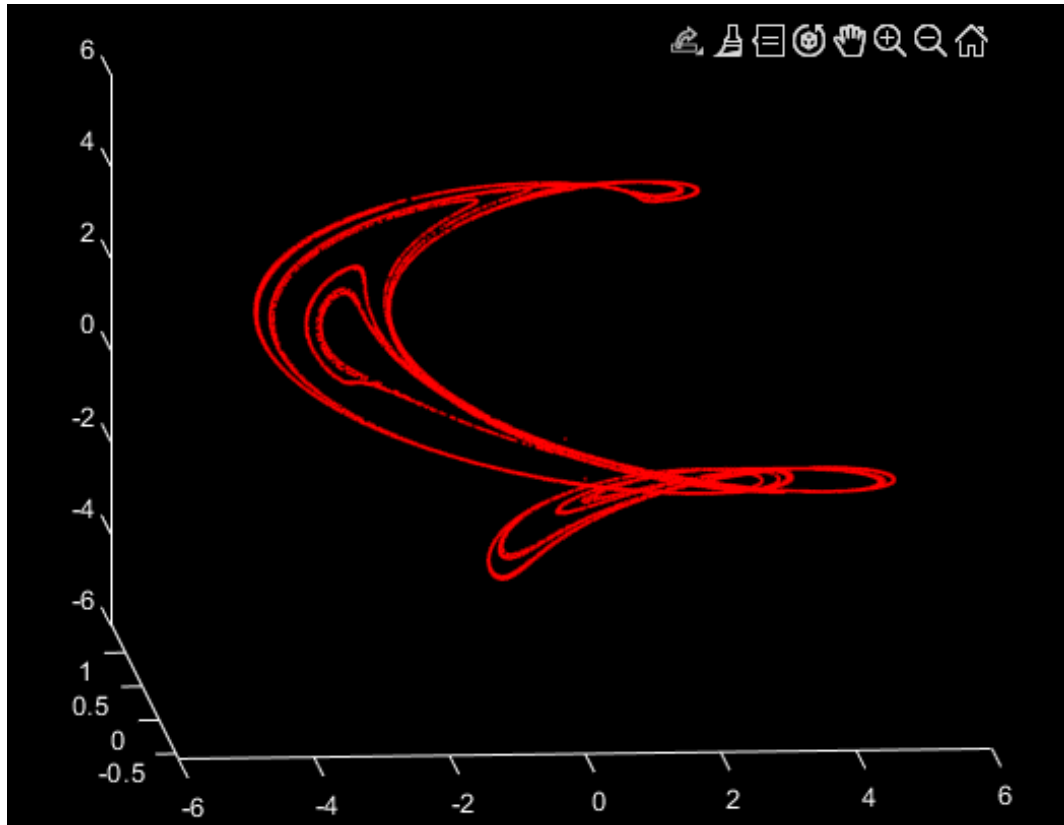


Image1 Chaotic attractor ex.1

By drawing a sequence of points using chaos subtractor formulas expressed by some mathematical equations, very interesting shapes appear. Participating students were divided into 4 groups, and mathematical formulas and programs were discussed, proposed and drawn so that each group created novel attractor shapes. This activity requires some level of knowledge about computer language and graphics application programs. But the students were able to find useful and convenient tools from web. Finally, presentations were given on the activities and drawn images from each group. We also took time for TA-led discussions (including free discussions) to promote communication between students in English. Finally, certificates of completion (digital file) issued by SIT were given. END

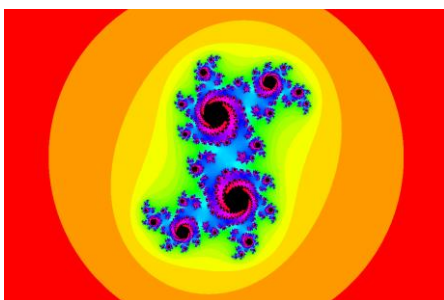


Image2 Chaotic attractor ex.2

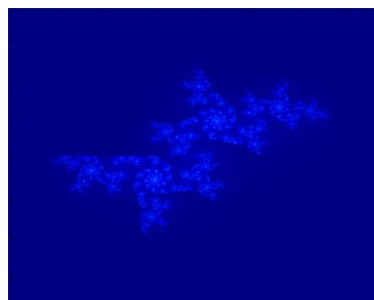


Image3 Chaotic attractor ex.3

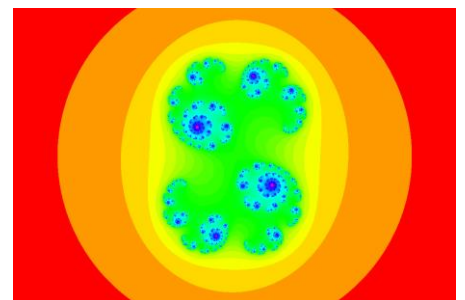


Image4 Chaotic attractor ex.4